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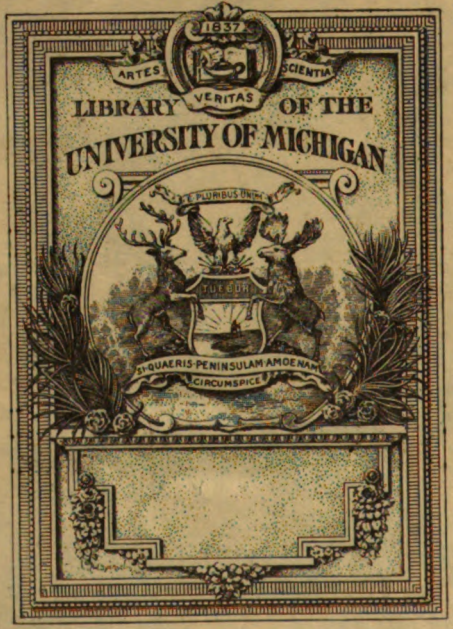

THE GIFT OF

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WESTERN RESERVE UNIVERSITY
BULLETTINS.

New Series.

VOL. V, NO. 1.
JANUARY, 1902.
ANNUAL SUBSCRIPTI
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Western Reserve Universi

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1901-1902.

[WITH ANNOUNCEMENTS FOR 1902-1903.]

CLEVELAND, OHIO.

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2430 Euclid Ave.

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CATALOGUE.

1901 - 1902

CLEVELAND, OHIO.

CLEVELAND, O.:
PRESS OF WINN & JUDSON
1902

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CALENDAR.

1901.		
16-17 Sept.	Monday-Tuesday	Examinations for admission.
17 Sept.	Tuesday	First term begins.
28 Nov.	Thursday	Thanksgiving day.
21 Dec.	Saturday	Winter recess begins.
1902.		
1 Jan.	Wednesday	Winter recess ends.
23 Jan.	Thursday	Examinations begin.
1 Feb.	Saturday	First term ends.
3 Feb.	Monday	Second term begins.
9 Feb.	Sunday	Day of prayer for colleges.
22 Feb.	Saturday	Washington's birthday.
27 March	Thursday	Easter recess begins.
2 April	Wednesday	Easter recess ends.
28 May	Wednesday	General examinations begin.
30 May	Friday	Decoration day.
8 June	Sunday	Baccalaureate sermon.
9 June	Monday	Prize oratorical contest, Adelbert College.
11 June	Wednesday	Meeting of alumni.
11 June	Wednesday	Commencement, College for Women.
12 June	Thursday	COMMENCEMENT.
13-14 June	Friday-Saturday	Examinations for admission.

SUMMER VACATION OF THIRTEEN WEEKS.

22-23 Sept.	Monday-Tuesday	Examinations for admission.
23 Sept.	Tuesday	First term begins.
27 Nov.	Thursday	Thanksgiving day.
24 Dec.	Wednesday	Winter recess begins.

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WESTERN RESERVE UNIVERSITY.

GENERAL STATEMENT.

WESTERN RESERVE UNIVERSITY embraces six departments.

Adelbert College—formerly the Western Reserve College—founded at Hudson in 1826, and removed to Cleveland in 1882.

The College for Women, established in 1888.

The Department of Graduate Instruction, established in 1892 by the Faculties of Adelbert College and the College for Women; designed to offer to college graduates courses leading to the degree of A. M. and Ph. D.

The Medical College—formerly known as the Cleveland Medical College—founded in 1844, offering a course of four years in medicine.

The Franklin T. Backus Law School, opened in 1892; designed by means of a course of study covering three years, to give an adequate training for the practice of the law.

The Dental Department, opened in 1892; designed to teach the art of dentistry as a department of medicine.

Popular and educational lectures are included in the plans of the University.

CHARLES F. THWING, *President.*

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CHARLES F. THWING, D. D., LL. D., *President*, CLEVELAND.
HIRAM C. HAYDN, D. D., LL. D., *Vice President*, CLEVELAND.
WILLIAM H. UPSON, A. B., AKRON.
‡EBENEZER BUSHNELL, D. D., CLEVELAND.
JOHN HAY, LL. D., WASHINGTON, D. C.
SAMUEL E. WILLIAMSON, LL. D., NEW YORK.
LIBERTY E. HOLDEN, A. M., CLEVELAND.
EDWIN R. PERKINS, A. B., CLEVELAND.
SAMUEL MATHER, A. M., CLEVELAND.
J. HOMER WADE, CLEVELAND.
†WILLIAM H. BALDWIN, A. B., NEW YORK CITY.
†JOEL M. SEYMOUR, A. B., B. D., ALLIANCE.
WASHINGTON S. TYLER, CLEVELAND.
*JOHN H. McBRIDE, CLEVELAND.
EDWARD P. WILLIAMS, A. M., CLEVELAND.
†HENRY M. LADD, D. D., EAST CLEVELAND.
†CHARLES M. RUSSELL, A. B., MASSILLON.
*HARRY A. GARFIELD, A. B., CLEVELAND.
*CHARLES L. PACK, CLEVELAND.
†MOSES G. WATTERSON, A. M., CLEVELAND.
*JARVIS M. ADAMS, A. B., CLEVELAND.
HERBERT A. HITCHCOCK, A. B., HUDSON.
ALFRED A. POPE, CLEVELAND.
LOUIS H. SEVERANCE, CLEVELAND.
HENRY R. HATCH, CLEVELAND.
WORCESTER R. WARNER, CLEVELAND.
LEWIS H. JONES, A. M., CLEVELAND.
WILLIAM D. REES, CLEVELAND.
†WILLIAM G. MATHER, A. B., CLEVELAND.
*ANDREW SQUIRE, LL. D., CLEVELAND.
†D. Z. NORTON, CLEVELAND.
*CHARLES W. BINGHAM, A. B., CLEVELAND.
*CHARLES F. BRUSH, PH. D., LL. D., CLEVELAND.

HARRY A. HARING, A. B., *Secretary and Treasurer*.
OFFICE IN ADELBERT COLLEGE, CLEVELAND.

*Trustees of the University only. †Trustees of Adelbert College only. All others are Trustees of both corporations.
‡Deceased.

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THE EXECUTIVE COMMITTEE OF THE UNIVERSITY.

SAMUEL E. WILLIAMSON,
LOUIS H. SEVERANCE,
SAMUEL MATHER,
J. HOMER WADE,
WASHINGTON S. TYLER.

THE UNIVERSITY SENATE.

THE EXECUTIVE COMMITTEE,

THE PRESIDENT OF THE UNIVERSITY,

THE DEANS OF THE SEVERAL DEPARTMENTS,

PROFESSORS M. M. CURTIS and S. B. PLATNER, for Adelbert College.

PROFESSORS H. E. BOURNE and H. N. FOWLER, for the College for Women.

PROFESSORS J. H. LOWMAN and D. P. ALLEN, for the Medical College.

PROFESSORS H. H. JOHNSON and H. C. WHITE, for the Law School.

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FACULTY AND INSTRUCTORS.

Arranged alphabetically within each division.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.

President.

A. B., Harvard Coll., 1876; B. D., Andover Theological Seminary, 1879; D. D., Chicago Theological Seminary, 1888; LL. D., Illinois Coll. and Marietta Coll., 1894; President Adelbert College and Western Reserve University, 1890—

HIRAM COLLINS HAYDN, D. D., LL. D., 15 La Grange St.

Vice President and Harkness Professor of Biblical Literature.

A. B., Amherst Coll., 1856; D. D., Wooster Univ., 1878; LL. D., Amherst Coll. and Marietta Coll., 1888; President Adelbert College and Western Reserve University, 1887-90; Instructor in Biblical Literature, 1888-96; Professor of Biblical Literature, 1896—

HERBERT AUSTIN AIKINS, PH. D., 40 Cornell St.

Leffingwell Professor of Philosophy.

A. B., Univ. of Toronto, 1887; Instructor, Univ. of Southern California, 1888; Yale Univ., 1888-91; Lecturer on History of Philosophy, Yale Univ., 1890-91; Ph. D., Yale, 1891; Professor of Logic and Philosophy, Trinity Coll., N. C., 1891-93; Honorary Fellow, Clark Univ., 1892-93; Professor of Philosophy, College for Women, 1893—

DUDLEY P. ALLEN, A. M., M. D., 278 Prospect St.

Professor of the Theory and Practice of Surgery and Clinical Surgery.

A. B., Oberlin Coll., 1875; A. M., 1883; M. D., Harvard Univ., 1880; Freiburg, Berlin, Vienna, London, Leipsic, 1880-82; Lecturer and Professor of Surgery, Western Reserve University, 1893—

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Av.

Professor of Operative Dentistry and Hygiene.

Dean of the Dental College.

B. S., Hillsdale Coll., 1864; M. S., 1867; D. D. S., Ohio Coll. of Dental Surgery, 1867; M. D., Cleveland Univ. of Medicine and Surgery, 1868; Professor of Dental Science in the same institution, 1868-70; Lecturer in Dental Hygiene, Dental College of Western Reserve University, 1892; Professor of Operative Dentistry and Hygiene, 1893—

GEORGE C. ASHMUN, M. D., 794 Republic St.

Professor of Hygiene and Preventive Medicine,

Registrar and Bursar of the Medical College.

M. D., Cleveland Medical Coll., 1873; Professor of Diseases of Children, Wooster Univ., 1889-93; Professor of Hygiene, Western Reserve University, 1893—

HENRY ELDRIDGE BOURNE, A. B., B. D., (Absent for the year).

Professor of History, Registrar of the College for Women.

A. B., Yale Coll., 1883; Principal of High School, Thomaston, Conn., 1883-84; B. D., Yale Divinity School, 1887; Hooker Fellow, Yale Divinity School, 1887-88; Teacher of History and Psychology, Free Acad., Norwich, Conn., 1889-92; Professor of History and Instructor in Philosophy, College for Women, 1892-93; Professor of History, 1893—

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FRANK E. BUNTS, M. D., 275 Prospect St.

Professor of the Principles of Surgery and Clinical Surgery.

United States Naval Acad., 1881; M. D., The Medical Coll., Western Reserve Univ., 1886; Lecturer on Minor Surgery, Medical Department of Wooster Univ., 1887-88; Berlin, Vienna, Paris, 1888-89; Professor of Principles of Surgery, Wooster Univ., 1890-94; Professor of the Principles of Surgery and Clinical Surgery in Medical College, Western Reserve University, 1894—

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.

Professor of the Law of Contracts.

A. B., Ohio Wesleyan Univ., 1873; A. M., 1876; LL. B., Univ. of Michigan, 1876; Professor of Law of Contracts, Western Reserve University, 1896—

CALVIN SUVERILL CASE, M. D., D. D. S., Stewart Bldg., Chicago, Ill.

Professor of Orthodontia.

D. D. S., Ohio Dental Coll., 1871; M. D., Univ. of Michigan, 1885; Demonstrator of Prosthetic Dentistry, Univ. of Michigan, 1882-1885; Professor of Prosthetic Dentistry and Orthodontia, Chicago Coll. of Dental Surgery, 1889-1895; Professor of Orthodontia, Chicago Coll. of Dental Surgery, 1896; Professor of Orthodontia, Western Reserve University, 1897—

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.

Professor of the Law of Agency, and Bills and Notes.

A. B., Oberlin, 1885; LL. B., Harvard Univ., 1890; Professor of the Law of Agency, Western Reserve University, 1897—

WILLIAM THOMAS CORLETT, M.D., L.R.C.P.(London), 553 Euclid Av.

Professor of Dermatology and Syphilology.

M. D., Wooster Univ., 1877; L. R. C. P., London, 1882; Professor of Dermatology and Syphilology, Western Reserve University, 1898—

GEORGE W. CRILE, PH. D., M. D., 169 Kensington St.

Professor of Clinical Surgery.

A. B., Ohio Normal Univ., 1882; A. B., Wooster Univ., 1887; M. D., 1887; Student in New York, Vienna and London, 1887-95; Professor of Physiology and Surgery, Wooster Medical Coll., 1897-1900; Ph. D., Hiram Coll., 1899; Professor of Clinical Surgery, Western Reserve University, 1900—

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.

Handy Professor of Philosophy.

A. B., Hamilton Coll., 1880; B. D., Union Theological Seminary, 1883; A. M., Hamilton Coll., 1883; Pastor at Hastings-on-Hudson and at Cleveland, 1883-88; Univ. of Leipsic, 1888-91; Ph. D., 1890; Professor of Philosophy, Adelbert College, 1891—

HENRY PLATT CUSHING, M. S., 260 Sibley St.

Professor of Geology.

Ph. B., Cornell Univ., 1882; Cornell Univ., 1882-83; School of Mines, Columbia Coll., 1883-84; Cornell Univ., 1884-85; M. S., 1885; Instructor in Geology, Chemistry and Physics, State Normal School, Mankato, Minn., 1885-91; Univ. of Munich, 1891-92; Instructor in Geology and Chemistry, Adelbert College, 1892-93; Associate Professor of Geology, 1893-95; Professor of Geology, 1895—

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EDWARD F. CUSHING, PH. B., M. D., 1160 Euclid Av.

Professor of the Diseases of Children.

Ph. B., Cornell Univ., 1883; M. D., Harvard Univ., 1888; Professor of the Diseases of Children, Western Reserve University, 1894—

JOHN E. DARBY, A. M., M. D., 2238 Euclid Av.

Professor of Therapeutics.

A. B., Williams Coll., 1858; A. M., 1861; M. D., Western Reserve Univ., 1861; Professor of Materia Medica and Therapeutics, Western Reserve University, 1867—

ROBERT WALLER DEERING, PH. D., 41 Cornell St.

Professor of Germanic Languages and Literature,

Dean of the Graduate School.

Centre Coll., 1879-80; Vanderbilt Univ., 1880-85; A. B., 1884; A. M., 1885; Instructor in German, Vanderbilt Univ., 1885-86; Univ. of Leipsic, 1886-89; Ph. D., 1889; Adjunct Professor of Germanic Languages and Literature, Vanderbilt Univ., 1889-92; Professor of Germanic Languages and Literature, College for Women, 1892—

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.

Oviatt Professor of Rhetoric and English Philology.

A. B., Iowa Coll., 1882; A. M., 1885; Superintendent of Schools, Grinnell, Ia., 1882-84; Muscatine, Ia., 1884-85; Principal of the Academy of Iowa Coll., 1885-88; Goldwin Smith Fellow in English, Cornell Univ., 1888-89; Instructor in English, Cornell Univ., 1889-91; Ph. D., 1891; Assistant Professor of Rhetoric and English Philology, 1892-96; Professor of Rhetoric and English Philology, Adelbert College, 1896—

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.

Clark Professor of Greek.

A. B., Harvard Coll., 1880; Classical Master in Marston's University School, Baltimore, 1880-82; Johns Hopkins Univ., 1880-81; American School of Classical Studies in Athens, 1882-83; Univ. of Berlin, 1883-84; Univ. of Bonn., 1884-85; Ph. D., 1885; Instructor in Greek, Latin, and Archæology, Harvard Coll., 1885-88; Instructor in Latin, Phillips Exeter Acad., 1888-90; Professor of Latin, Phillips Exeter Acad., 1890-92; Professor of Greek, Univ. of Texas, 1892-93; Professor of Greek, College for Women, 1893—

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.

Professor of Greek, Dean of Adelbert College.

A. B., Dartmouth Coll., 1885; A. M., 1888; Univ. of Leipsic, 1885-87; Univ. of Erlangen, 1887-88; Ph. D., 1888; Instructor in Latin and French, Adelbert Coll., 1889-90; Professor of Greek, College for Women, 1890-93; Professor of Greek, Adelbert College, 1893—

ALEXANDER HADDEN, A. B., 1670 Lexington Av.

Professor of the Law of Crimes, Criminal Procedure, and Damages.

A. B., Oberlin Coll., 1873; Professor of the Law of Crimes and Damages, Western Reserve University, 1894—

CARL A. HAMANN, M. D., 661 Prospect St.

Professor of Anatomy.

M. D., Univ. of Pennsylvania, 1890; Demonstrator of Anatomy, Univ. of Pennsylvania, 1890-93; Professor of Anatomy, Western Reserve University, 1893—

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CHARLES HARRIS, Ph. D., (Absent for the year).

Professor of German.

A. B., Indiana Univ., 1879; Ph. D., Univ. of Leipsic, 1883; Instructor in German, Academic Department of Vincennes Univ., 1883-86; Professor of French and German, Southern Illinois State Normal School, 1886-88; Professor of German, Oberlin Coll., 1888-93; Professor of German, Adelbert College, 1893—

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.

Professor of Biology and Curator of the Zoological Collection.

A. B., Dartmouth Coll., 1881; Ph. D., Johns Hopkins Univ., 1888; D. Sc., Western Univ. of Pennsylvania, 1897; Instructor in Biology, Adelbert College, 1888-91; Professor of Biology, 1891—

FRANK RUFUS HERRICK, A. B., 449 Russell Av.

Professor of the Law of Torts.

A. B., Yale Univ., 1888; Professor of Law of Torts, Western Reserve University, 1897—

PERRY L. HOBBS, PH. D. (Berlin), 1420 Euclid Av.

Professor of Chemistry.

B. S., Case School of Applied Science, 1886; Ph. D., Univ. of Berlin, 1889; Professor of Chemistry, Western Reserve University, 1894—

CHARLES F. HOOVER, A. B., M. D., 702 Rose Bldg.

Professor of Physical Diagnosis.

A. B., Harvard Univ., 1890; M. D., 1892; Professor of Physical Diagnosis, Western Reserve University, 1895—

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.

Professor of the Law of Contracts and Equity Jurisdiction, Dean of the Law School.

A. B., Adelbert Coll., 1889; LL. B., Harvard Univ., 1892; Professor of Law of Contracts and Equity Jurisdiction and Dean of Law School, Western Reserve University, 1892—

WILLIAM T. HOWARD, JR., M. D, 88 Dorchester Av.

Professor of Pathology, Pathological Anatomy and Bacteriology.

Univ. of Virginia, 1885-87; M. D., Univ. of Maryland, 1889; Johns Hopkins Univ., 1889-94; Professor of Pathology and Bacteriology, Western Reserve University, 1894—

PAUL HOWLAND, A. M., LL. B., 11 Granger St.

Professor of the Law of Pleading and Practice, and Partnership.

A. B., Oberlin Coll., 1884; A. M., 1894; LL. B., Harvard Univ., 1890; Professor of Law of Pleading and Practice, and Partnership, Western Reserve University, 1896—

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.

Professor of English.

A. B., Vanderbilt Univ., 1890; Assistant in Greek, 1889-90; Univ. of Leipsic, 1891-92; Univ. of Jena, 1892-93; Univ. of Freiburg, 1893-94; Ph. D., 1894; Instructor in German, Adelbert College, 1894-96; Associate Professor of English, College for Women, 1896-1900; Professor of English, 1900—

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HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.

Professor of Constitutional Law.

A. B., Oberlin Coll., 1885; A. M., LL. B., Harvard Univ., 1888; Professor of the Law of Trusts and Constitutional Law, Western Reserve University, 1893—

JACOB LAISY, A. M., M. D., Syracuse, Neb.

Professor Emeritus of Anatomy.

A. B., Western Reserve Coll., 1850; A. M., 1858; M. D., Cleveland Medical Coll., 1853; Professor of Anatomy, Cleveland Medical Coll., 1863-84; Professor Emeritus of Anatomy, Western Reserve University, 1884—

JAMES LAWRENCE, A. B., 709 Genesee Av.

Professor of the Law of Public and Private Corporations.

A. B., Kenyon Coll., 1871; Professor of the Law of Public and Private Corporations, Western Reserve University, 1896—

ROGER MILLER LEE, LL. B., 115 Ingleside Av.

Professor of the Law of Shipping and Admiralty, aad Common Carriers.

LL. B., Univ. of Michigan, 1886; Professor of Law of Shipping and Admiralty and Common Carriers, Western Reserve University, 1894—

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.

Professor of Medicine and Clinical Medicine.

A. B., Connecticut Wesleyan Univ., 1871; A. M., 1874; M. D., Wooster Medical Coll., 1873; M. D., Coll. of Physicians and Surgeons, New York, 1876; Professor of Medicine, Western Reserve University, 1881—

BENJAMIN L. MILLIKIN, A. M., M. D., 278 Prospect St.

Professor of Opthalmology,

Dean of the Medical Co lege.

A. B., Allegheny Coll., 1874; A. M., 1877; M. D., Univ. of Pennsylvania, 1879; Ophthalmic Surgeon Charity Hospital, 1884; Lakeside Hospital, 1893; Professor of Ophthalmology, Western Reserve Univ., 1894; Dean of Medical College, Western Reserve University, 1900—

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., 2238 Euclid Av.

Hurlbut Professor of Natural History and Chemistry.

A. B., Williams Coll., 1860; A. M., 1863; M. D., Cleveland Medical Coll., 1877; Ph. D., Wooster Univ., 1879; LL. D., Western Reserve Univ., 1891; Professor of Chemistry, Western Reserve College and Adelbert College, 1869—

ANNA HELENE PALMIÉ, PH. B., 34 Sayles St.

Professor of Mathematics.

Ph. B., Cornell Univ., 1890; Fellow in Mathematics, 1890-91; Instructor in Mathematics and German, College for the Training of Teachers, New York City, 1891-92; Instructor in Mathematics, College for Women, 1892-93; Associate Professor of Mathematics, 1893-95; Professor of Mathematics, 1895—

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CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.

Professor of the Law of Real Property.

Professor of the Law of Real Property, Western Reserve University, 1892—

EMMA MAUD PERKINS, A. B., 121 Adelbert St.

Woods Professor of Latin.

A. B., Vassar Coll., 1879; Instructor in Classics, Central High School, Cleveland, 1879-92; Associate Professor of Latin, College for Women, 1892-93; Professor of Latin, 1893—

JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.

Haydn Professor of History.

Ph. B., Illinois Wesleyan Univ., 1887; Assistant Principal of High School, Danville, Ill., 1887-88; Superintendent of Schools, Petersburg, Ill., 1888-89; A. M., Wabash Coll., 1889; Johns Hopkins Univ., 1890-92; Univ. of Chicago, 1892-93; Professor of History and Political Economy, Wisconsin State Normal School, Platteville, Wis., 1893-94; Ph. D., Univ. of Chicago, 1895; Professor of History and Politics, Allegheny Coll., 1895-98; Professor of History, Adelbert College, 1898—

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.

Professor of Latin and Instructor in Sanskrit,

Secretary of the Faculty of Adelbert College.

A. B., Yale Coll., 1888; Ph. D., 1885; Instructor in Latin and French, Adelbert Coll., 1885-90; Assistant Professor of Latin, Adelbert Coll., 1890-92; Professor of Latin, Adelbert College, 1892—

LEMUEL STOUGHTON POTWIN, A. M., D. D., 322 Rosedale Av.

Professor of the English Language and Literature.

A. B., Yale Coll., 1854; A. M., 1857; Tutor in Yale, 1858-60; D. D., 1886; Professor of Latin, Western Reserve Coll. and Adelbert College, 1871-92; Professor of the English Language and Literature, 1892—

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.

Professor of Obstetrics and Pediatrics.

M. D., Virginia Medical Coll., 1867; A. M., Western Reserve Univ., 1894; Professor of Obstetrics and Pediatrics, Western Reserve University, 1875—; Dean of Medical College, 1895-1900.

HUNTER ROBB, A. B., M. D., 702 Rose Bldg.

Professor of Gynecology.

A. B., Univ. of Pennsylvania, 1880; M. D., 1884; House Staff, Presbyterian Hospital, Philadelphia, 1885; Episcopal Hospital, 1886; Assistant Surgeon, Kensington Hospital, 1887; Vienna, Berlin, Prague, Leipsic, Paris, London, 1888-89; Associate Professor of Gynecology, Johns Hopkins Univ., 1889-94; Professor of Gynecology, Western Reserve University, 1894—

JOHN PASCAL SAWYER, A. M., M. D., 526 The Rose Bldg.

Professor of Medicine and Clinical Medicine.

A. B., Adelbert Coll., 1883; A. M., M. D., Western Reserve Univ., 1886; Professor of Medicine and Clinical Medicine, Western Reserve University, 1889—

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CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.

Professor of Mathematics.

A. B., Western Reserve Coll., 1870; A. M., 1873; Professor of Mathematics and Perkins Professor of Natural Philosophy and Astronomy, Western Reserve Coll., 1870-82; Professor of Mathematics, Adelbert College, 1882—

ARTHUR ADELBERT STEARNS, A. M., 87 Oakdale St.

Professor of the Law of Suretyship and Mortgage.

A. B., Buchtel Coll., 1879; A. M., 1883; Professor of Law of Suretyship and Mortgage, Western Reserve University, 1894—

JOHN FRANKLIN STEPHAN, D. D. S., 29 Euclid Av.

Professor of Operative Dental Technic.

D. D. S., Western Reserve University, 1892; Professor of Operative Dental Technic, 1893—

GEORGE NEIL STEWART, M.A., D.Sc., M. D. (Edin.), D.P.H. (Camb.),

Professor of Physiology and Histology. Medical College.

M. A., Univ. of Edinburg, 1882; D. Sc., 1887; M. D., 1888; D. P. H., Cambridge, 1890; Senior Demonstrator of Physiology, Owens Coll., Victoria Univ., 1888-90; Examiner in Physiology, Univ. of Aberdeen, 1889-93; Medical Dept. Harvard Univ., 1893-94; Professor of Physiology and Histology, Western Reserve University, 1894—

EDWIN L. THURSTON, PH. B., 865 Prospect St.

Professor of Patent Law.

Ph. B., Brown Univ., 1881; Professor of Patent Law, Western Reserve University, 1896—

HENRY S. UPSON, A. B., M. D., 514 New England Bldg.

Professor of Neurology.

A. B., Western Reserve Coll., 1880; M. D., Coll. of Physicians and Surgeons, New York, 1884; Staff of Roosevelt Hospital, New York, 1885-86; Berlin and Heidelberg, 1886-87; Professor of Neurology, Western Reserve University, 1893—

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.

Professor of Dental Medicine.

Adelbert Coll., 1885-87; D. D. S., New York Coll. of Dentistry, 1890; Lecturer on Materia Medica and Dental Therapeutics, Western Reserve University, 1892-96; Professor of Dental Medicine, 1896—

HENRY CLAY WHITE, B. L., A. M., 344 Harkness Av.

Professor of the Law of Wills and Estates.

B. L., Univ. of Michigan, 1862; A. M., Hiram Coll., 1891; Probate Judge of Cuyahoga Co., 1888—; Professor of Medical Jurisprudence, Cleveland Homeopathic Medical Coll., 1891; Professor of Testamentary Law and Probate Procedure, Western Reserve University, 1892—

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.

Perkins Professor of Physics and Astronomy.

A. B., Brown Univ., 1874; A. M., 1877; D. Sc., 1900; Brown Univ., Massachusetts Inst. of Technology, 1879; Johns Hopkins Univ., 1879-80; Professor of Physics, Rensselaer Polytechnic Inst., 1880-85; Professor of Physics, Adelbert College, 1885—

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WILL HENRY WHITSLAR, M. D., D. D. S., 29 Euclid Av.

Professor of Dental Anatomy and Pathology.

Secretary of the Dental College.

D. D. S., Univ. of Michigan, 1885; M. D., Rush Medical Coll., 1886; Professor of Dental Anatomy and Pathology and Secretary of the Dental College of Western Reserve University, 1892—

FRANK BEVERLY WILLIAMS, A. M., LL. B., 111 Crawford Road.

Professor of the Law of Evidence, Personal Property, and Trusts.

A. B., Harvard Univ., 1888; Instructor in Political Economy and Assistant in American History, 1889-90; A. M., 1890; Traveling Fellow, 1890-1892; Instructor in Roman Law, 1892-97; LL. B., 1895; Assistant Professor of Law, 1897-98; Professor of the Law of Evidence, Personal Property and Trusts in Western Reserve University, 1899—

GEORGE HENRY WILSON, D. D. S., 44 Euclid Av.

Professor of Prosthesis and Metallurgy, and Superintendent of Laboratories and Clinics.

D. D. S., Univ. of Michigan, 1878; Professor of Prosthetics and Metallurgy, Western Reserve University, 1892—

BENJAMIN PARSONS BOURLAND, PH. D., 12 Adelbert Hall.

Associate Professor of Romance Languages.

A. B., Univ. of Michigan, 1889; A. M., 1890; Instructor in French, 1892-95; Student Paris and Vienna, Rome, Florence, Madrid, 1895-98; Ph. D., Univ. of Vienna, 1897; Instructor in French, Univ. of Michigan, 1898-99; Assistant Professor, 1899-1901; Associate Professor of Romance Languages, Adelbert College, 1901—

HIPPOLYTE GRUENER, PH. D., 43 Knox St.

Associate Professor of Chemistry.

A. B., Yale Coll., 1891; Ph. D., 1893; Instructor in Chemistry and Physics, Hill School, Pottstown, Pa., 1893-94; Univ. of Munich, 1894-95; Instructor in Chemistry, Adelbert Coll., 1895—; Associate Professor of Chemistry, College for Women, 1898—

WILLIAM H. HUMISTON, M. D., 536 Rose Bldg.

Associate Professor of Gynecology.

M. D., Long Island College Hospital, 1879; Associate Professor of Gynecology, Medical Department of Western Reserve University, 1895—

TORALD SOLLMANN, M. D., Erie and St. Clair Sts.

Assistant Professor of Pharmacology and Materia Medica.

M. D., Western Reserve Univ., 1896; Lecturer on Pharmacology, Western Reserve University, 1898-1901; Assistant Professor of Pharmacology and Materia Medica, 1901—

ASHLEY HORACE THORNDIKE, PH. D., 95 Mayfield St.

Associate Professor of English.

A. B., Wesleyan Univ., 1893; Principal, Smith Acad., Hatfield, Mass., 1893-95; Harvard Univ., 1895-98; A. M., Harvard, 1896; Ph. D., Harvard, 1898; Instructor, Boston Univ., 1895-98; Instructor in English, College for Women, 1898-1900; Associate Professor of English, 1900—

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OLIN FREEMAN TOWER, PH. D., 8 Nantucket St.

Assistant Professor of Chemistry.

A. B., Wesleyan Univ., 1892; A. M., 1898; Assistant in Chemistry, Wesleyan Univ., 1893-94; Univ. of Leipsic, 1894-95; Ph. D., 1895; Assistant Chemist in Nutrition Investigations, Department of Agriculture, 1895-98; Assistant in Chemistry, Wesleyan Univ., 1896-98; Instructor in Chemistry, Adelbert College, 1898-1901; Assistant Professor, 1901—

FREDERICK C. WAITE, A. M., PH. D. (Harvard), 77 Hillburn Av.

Assistant Professor of Histology and Embryology.

B. L., Adelbert Coll., 1892; A. M., Western Reserve Univ., 1894; A. M., Harvard Univ., 1896; Ph. D., 1898; Assistant in Biology, Adelbert Coll., 1892-95; Assistant in Zoology, Harvard Univ., 1897-98; Instructor in Biology, Peter Cooper High School, New York City, 1898-1900; Instructor in Biology, New York Univ., 1899-1900; Assistant in Anatomy, Rush Medical Coll., of the Univ. of Chicago, 1900-1901; Assistant Professor of Histology and Embryology, Western Reserve Univ., 1901—

FRANCIS WALKER, PH. D., 46 Nantucket St.

Associate Professor of Political and Social Science.

S. B., Mass. Inst. of Technology, 1892; A. M., Columbia Univ., 1893; Ph. D., 1895; University Fellow in Economics, Columbia Univ., 1892-94; Instructor in Political and Social Science, Colorado Coll., 1895-97; Professor of Political and Social Science, 1897-1900; Associate Professor of Political and Social Science, Adelbert College, 1900—

EDWARD PERKINS CARTER, M. D., 8 Hayward St.

Lecturer on Medical Jurisprudence and Diseases of Children.

M. D., Univ. of Pennsylvania, 1894; Fellow in Pathology, Johns Hopkins Univ., 1896-97; Lecturer on Medical Jurisprudence, Western Reserve University, 1899—

HARRIET B. CHAPMAN, A. B., M. D., 810 Rose Building.

Lecturer on Hygiene, College for Women.

A. B., Wellesley Coll., 1893; M. D., Cleveland Medical Coll., 1896; Clinical Assistant, Eye and Ear Department, Good Samaritan Dispensary, 1897; Lecturer on Hygiene, College for Women, 1900—

HARRY J. CRAWFORD, A. B., LL. B., 3 Republic Pl.

Lecturer on Common Carriers.

A. B., Ohio Wesleyan Univ., 1896; LL. B., Western Reserve Univ., 1898; Lecturer on Common Carriers, Law School of Western Reserve Univ., 1901—

FREDERICK WILLIAM GREEN, LL. B., Rice Av., Newburgh.

Lecturer on Sales.

LL. B., Western Reserve Univ., 1896; Lecturer in Western Reserve University, 1897—

FREDERICK AUGUSTUS HENRY, A. M., LL. B., Williamson Building.

Lecturer on Dental Jurisprudence.

A. B., Hiram Coll., 1888; A. M., LL. B., Univ. of Michigan, 1891; Professor of Law of Torts, Western Reserve University, 1894-1899; Professor of Dental Jurisprudence, 1899—

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JOHN M. INGERSOLL, A. M., M. D., 50 Euclid Av.

Lecturer on Otology, Rhinology and Laryngology.

A. B., Adelbert Coll., 1891; A. M., 1896; M. D., Medical Coll., Western Reserve Univ., 1893; House Staff Cleveland City Hospital, 1894; Universities of Vienna, Berlin and London, 1894-96; Lecturer on Otology, Rhinology and Laryngology, Western Reserve University, 1895—

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.

Lecturer on Dental Anatomy and Instructor in Operative and Prosthetic Dental Technics.

Hiram College, 1895-96; D. D. S., Western Reserve Univ., College of Dentistry, 1898; Demonstrator of Prosthetic Technics, Western Reserve Univ., 1898—; Instructor in Operative and Prosthetic Technics, 1901—; Lecturer on Dental Anatomy, 1901—

LORIN WILLIAMS LADD, A. B., M. D., Russell and Euclid.

The Leonard Hanna Lecturer on Clinical Microscopy.

A. B., Yale Univ., 1895; Johns Hopkins Univ., 1896-99; M. D., 1899; Assistant Resident Physician Johns Hopkins Univ. Hospital, 1899-1900; Resident Physician, Lakeside Hospital, 1900-01; Lecturer in Clinical Microscopy, Western Reserve University, 1901—

ROGER G. PERKINS, A. B., M. D., Russell and Euclid.

Lecturer on Bacteriology and Assistant in Pathology.

A. B., Union Coll., 1893; A. B., Harvard Univ., 1894; M. D., Johns Hopkins Univ., 1898; Resident Pathologist, Lakeside Hospital, 1898-1901; Demonstrator of Pathology, Western Reserve Univ., 1899-1901; Fellow in Research of the Rockefeller Institute, 1901-2; Lecturer in Bacteriology, 1901—

WESTON A. VALLEAU PRICE, D. D. S., M. E.. 2238 Euclid Av.

Lecturer on Electro-therapeutics and Electrical Appliances.

D. D. S., Univ. of Mich., 1893: Demonstrator Electro-Therapeutics and Elect. Appliances, Western Reserve Univ., 1897; Lecturer, 1901—

CLARENCE POWERS BILL, PH. D., 853 Logan Av.

Instructor in Latin and Greek.

A. B., Adelbert Coll., 1894; A. M., 1895; A. M., Harvard Univ., 1896; Ph. D., 1898; Instructor in Latin, Adelbert College, 1898—

WILLIAM DINSMORE BRIGGS, PH. D., 2238 Euclid Av.

Instructor in English.

A. B., Stanford Univ., 1896; A. M., Harvard Univ., 1899; Ph. D., 1900; Instructor in English and German, Univ. of Vermont, 1900-01; Instructor in English, Adelbert College, 1901—

MARY GEORGE CLARK, Guilford House.

Instructor in Physical Training.

Sargent Normal School of Gymnastics, 1900; Instructor in Histology, Sargent Normal School, 1900-01; Instructor in Histology, Hemenway Gymnasium, Harvard Univ., summer 1901; Instructor of Physical Training, College for Women, 1901—

CHARLES E. CLEMENS, 1093 Prospect St.

Instructor in the History and Theory of Music.

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JOHN DICKERMAN, A. B., 852 Doan St.

Instructor in Mathematics.

A. B., Adelbert Coll., 1891; Instructor in Mathematics, Western Reserve Acad., 1891-94; Johns Hopkins Univ., 1894-95; Chamberlin Observatory, Denver Univ., 1895-96; Univ. of Chicago, 1896-97; Instructor in Mathematics, Adelbert College, 1897—

ROBERT HERNDON FIFE, JR., PH. D., 91 Mayfield St.

Instructor in German.

A. B., Univ. of Virginia, 1895; A. M., 1895; Instructor in English, St. Albans School, Radford, Va., 1895-98; Univ. of Gottingen, 1898-99; Univ. of Leipzig, 1899-1901; Ph. D., 1901; Instructor in German, College for Women, 1901—

LAWRENCE EDMONDS GRIFFIN, PH. D., 2238 Euclid Av.

Instructor in Biology.

A. B., Hamline Univ., 1895; Assistant in Biology, Univ. of Minnesota, 1895-98; Johns Hopkins Univ., 1898-1900; Ph. D., 1900; Instructor in Biology, College for Women, 1900—

HOWELL MERRIMAN HAYDN, A. B., 15 La Grange St.

Instructor in the Bible.

A. B., Adelbert Coll., 1896; Auburn Theological Sem., 1896-99; Instructor in Bible, College for Women, 1899—

GRACE MORELAND HENDERSON, B. L., East Cleveland.

Instructor in French.

B. L., College for Women, 1899; Instructor of French and German, Carthage Collegiate Inst., 1899-1900; Preceptress and Instructor in French and German, Iowa College Academy, 1900-01; Instructor in French, College for Women, 1901—

AGNES HUNT, PH. D., 51 Mayfield St.

Instructor in History.

A. B., Smith Coll., 1897; Ph. D., Yale Univ., 1900; Assistant in History, College for Women, 1900-1901; Instructor in History, College for Women 1901—

DAVID GAUL JAEGER, A. B., LL. B., 113 Brookfield St.

Instructor in Charge of Review Work Preparatory to Ohio Bar Examinations.

A. B., Adelbert Coll., 1897; LL. B., Western Reserve Univ., 1900; Instructor in Law School, Western Reserve Univ., 1901.

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.

Instructor in Philosophy.

A. B., Columbia, 1893; Univ. of Jena, 1893-94; General Theological Seminary, New York, 1894-95; Columbia, 1895-97; Halle and Bonn, 1897-98; Ph. D., Bonn, 1898; Assistant in Philosophy, Columbia, 1898-99; Instructor in Philosophy, Adelbert College, 1899—

EDWARD MEYER, PH. D., 844 Logan Av.

Instructor in German.

B. L., Adelbert Coll., 1893; Univ. of Leipsic, 1893-94; Univ. of Heidelberg, 1894-96; Ph. D., 1896; Instructor in German, Western Reserve Univ., 1896-99; Instructor in German, Adelbert College, 1899—

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Instructor in Romance Languages.

A. B., Harvard Univ., 1893; Harvard Medical School, 1893-94; Univ. of Leipsic, 1894-95; Univ. of Heidelberg, 1895-97; The Sorbonne, Ecole des Hautes Etudes, 1897-98; Univ. of Heidelberg, 1898-99; Ph. D., 1899; Instructor in French, Univ. of Michigan, 1899-1900; Instructor in Romance Languages, College for Women, 1900—

FRITZ REICHMANN, PH. D., 46 Knox St.

Instructor in Physics.

C. E. and E. E., Univ. of Texas 1896; M. S., 1897; Fellow in Physics, Univ. of Texas, 1895-97; Tutor and Instructor, 1897-98; Fellow in Physics, Univ. of Chicago, 1898-1901; Ph. D., 1901; Academy Instructor, Univ. of Chicago, 1900-01; Instructor in Physics, College for Women, 1901—

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.

Instructor in Historical Bibliography.

A. B., Amherst Coll., 1889; A. M., 1896; Oberlin Theological Sem., 1890-92; B. D., Hartford Theological Sem., 1893; Universities of Halle, Berlin, and at Paris, 1893-97; B. D., Oberlin Theological Sem., 1896; Assistant in History, College for Women, 1897-1900; Instructor in Historical Bibliography, 1900—

CLARENCE DIMICK STEVENS, A. M., 698 Republic St.

Instructor in English.

Ph. B., Wabash Coll., 1894; Fowler-Duhme Fellow in English, 1894-95; Instructor in English, 1894-95; Professor in English, Vincennes Univ., 1895-1900; A. M., Wabash Coll., 1900; University Scholar in English, Columbia Univ., 1900-1901; Instructor in English, Adelbert College, 1901—

CHARLES JESSE WEHR, A. B., M. D., 5 Adelbert Hall.

Instructor in Physical Culture and Director of Gymnasium.

A. B., Adelbert Coll., 1898; M. D., Western Reserve Univ., 1901; Instructor in Physical Culture and Director of Gymnasium, Adelbert Coll., 1901.

VARNEY EDWARD BARNES, D. D. S., New England Building.

Demonstrator of Prosthesis and Instructor of Orthodontia.

HENRY A. BECKER, A. M., M. D., Pearl St. and Clark Av.

Demonstrator of Surgery.

RUSSELL H. BIRGE, A. B., M. D., 260 Euclid Av.

Demonstrator of Surgery.

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.

Demonstrator of Surgery.

WILLIAM E. BRUNER, A. M., M. D., 514 New England Bldg.

Demonstrator of Ophthalmology.

EDWARD P. CARTER, M. D., 8 Hayward St.

Demonstrator of Dermatology and Syphilology.

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JOHN C. DARBY, A. B., M D., Lakeside Hospital.
Demonstrator of Pathology.

FRANK J. GEIB, A. B., M. D., Cor. Willson and Prospect St.
Demonstrator of Medicine.

FREDERICK C. HERRICK, A. B., M. D., 367 Erie St.
Demonstrator of Surgery.

WM. E. LOWER, M. D., 275 Prospect St.
Demonstrator of Surgery at St. Alexis' Hospital.

WALTER H. MERRIAM, PH. B., M. D., 275 Prospect St.
Demonstrator of Medicine.

GEORGE W. MOOREHOUSE, M. L., M. D., 39 Cutler St.
Demonstrator of Medicine.

WILLIAM O. OSBORN, B. L., M. D., 275 Prospect St.
Demonstrator of Medicine.

HENRY P. PARKER, A. B., M. D., Russell and Euclid.
Demonstrator of Pathology and Bacteriology.

EDWIN B. SEASON, M. D., 2238 Euclid Av.
Demonstrator of Medicine.

HUBERT L. SPENCE, M. D., 512 New England Bldg.
Demonstrator of Nervous Diseases.

ROBERT H. SUNKLE, A. B., M. D., Pearl St. and Clark Av.
Demonstrator of Gynecology.

OSCAR T. THOMAS, M. D., 85 Edgewood Pl.
Demonstrator of Gynecology.

JOHN S. TIERNEY, M. D., Medical College.
Demonstrator of Anatomy.

JAMES FREED WARK, D. D. S., Rose Building.
Demonstrator of Operative Dentistry.

DOUGLAS AUSTIN WRIGHT, D. D. S., 332 Cedar Av.
Demonstrator of Prosthetic Dentistry.

DANIEL HENDRIX ZEIGLER, D. D. S., Rose Building.
Chief Demonstrator in Operative Dentistry.

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LYMAN W. CHILDS, M. D., Cor. Wade Park and Dunham Avs.
Assistant in Throat, Nose and Ear at Lakeside Hospital Dispensary.

FRANK S. CLARK, A. M., M. D., 493 Colonial Arcade.
Assistant in Obstetrics and Pediatrics at Lakeside Hospital Dispensary.

ALICE DOYLE DRAKE, PH. B., 792 Republic St.
Assistant in English.

JAMES A. EVANS, B. S., Medical College.
Assistant in Chemistry.

T. E. GRIFFITHS, M. D., 1104 Woodland Av.
Assistant in Surgery at Charity Hospital Dispensary.

R. A. HATCHER, PH. G., M. D., Erie and St. Clair Sts.
Assistant in Pharmacology and Materia Medica.

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Assistant in Ophthalmology at Lakeside Hospital Dispensary.

FANNY C. HUTCHINS, M. D., 373 Jennings Av.
Assistant in Nervous Diseases.

CARL B. JAMES, B. S., 958 S. Logan Av.
Assistant in Biology.

S. H. LARGE, M. D., 1012 New England Bldg.
Assistant in Nose, Ear and Throat Diseases.

NINA MAY ROBERTS, A. M., Alta House.
Assistant in English.

WILLIAM E. SHACKLETON, M. D., 605 The Osborn.
Assistant in Ophthalmology at Lakeside Hospital Dispensary.

WINIFRED ALICE STORER, B. L., 95 Ingleside Av.
Assistant in English.

JOHN J. THOMAS, A. M., M. D., 156 Crawford Rd.
Assistant in Diseases of Children at Lakeside Hospital Dispensary.

MAUD WINSHIP, A. M., 100 Kensington St.
Assistant in Philosophy and Education.

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LECTURERS IN YEAR 1900-1901.

HOWARD CROSBY BUTLER, Ph. D., Princeton University.
Lecturer on "The Deserted Villages of Northern Syria."

THOMAS WENTWORTH HIGGINSON, L. H.D., LL. D., Cambridge, Mass.
Lecturer on American History, on the Foundation Endowed by the Daughters of the American Revolution.

FRANK K. SAUNDERS, Ph. D., D. D. Yale University.
Lecturer on "The Prophets of Israel and Their Messages." The Florence Harkness Biblical Foundation.

WU TING FANG, Chinese Minister to the United States, Washington.
Lecturer on "Washington and Education."

MARTIN L. D'OOGE, University of Michigan.
Lecturer on "Delphi and Recent French Excavations."

OTHER OFFICERS.

EDWARD CHRISTOPHER WILLIAMS, B. L., 61 Grant St.
Librarian.

ESTHER CRAWFORD, B. L., 972 Cedar Av.
Assistant in Library.

ANNA LOUISE MAC INTYRE, A. B., 136 Sawtell Av.
Librarian, College for Women.

FRANCES L. TROWBRIDGE, 84 Miles Av.
Librarian of Law School.

BERTHA LOUISE TORREY, A. B., Guilford House.
Registrar, College for Women.

ROY B. METZ, M. D., Medical College.
Clerk of Medical College.

MISS K. G. FRANKLE, 520 Woodland Av.
Clerk of Operative Clinic.

MRS. D. A. WRIGHT,
Clerk of Prosthetic Clinic.

ELIZABETH CURRIER ANNIN, *Housemistress,* Guilford House.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Av.
Medical Examiner, College for Women.

ANDREW FLOWER, Erie and St. Clair Sts.
Prosector and Curator Anatomical Rooms.

HERMAN DOUGLASS GRAHAM, 7 Dodge Ct.
Curator of Dental Museum.

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ADELBERT COLLEGE.

HISTORICAL STATEMENT.

IN 1801 THE GENERAL ASSEMBLY of the Territory of the United States northwest of the river Ohio was petitioned by residents of the Connecticut Western Reserve to grant a charter for a college to be situated within the limits of the Reserve. The petition was denied. In 1803, on the sixteenth of April, the first General Assembly of the State of Ohio, chartered the Erie Literary Society, a corporation composed of several proprietors of land within the county of Trumbull (then comprising the entire Reserve), who desired to appropriate a part thereof to found a seminary of learning within that county. Under this charter an Academy was established at Burton in 1805, the first institution of this kind in Northern Ohio. This school, with the exception of the years 1810 to 1819, continued in operation until 1834. In 1817 the Presbytery of Grand River, which embraced nearly all the Presbyterian and Congregational ministers and churches of the Reserve, formed itself into a society "for the education of indigent, pious young men for the ministry, within the limits of the Presbytery." The students aided by this society studied privately with clergymen until the opening of the Academy at Burton, when they pursued their studies at that school. In 1818 the Presbytery of Portage formed a similar society. In 1822 the two Presbyteries appointed a committee to confer together for the purpose of devising "ways and means for establishing on the Connecticut Western Reserve a Literary and Theological Institution." The report of the committee, which was adopted by the Presbyteries, provided for the

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establishment, under certain conditions, of a Theological Institution on the foundation of the Erie Literary Society at Burton. The Trustees of the Erie Literary Society accepted the conditions. A Board of Managers of the Education fund was then appointed by the Presbyteries.

The connection between the Board of Managers and the Trustees of the Erie Literary Society lasted until June, 1824. During the year 1823 the managers became convinced that such an institution as they desired could not be built up at Burton, and consequently they requested the Trustees of the Erie Literary Society to move their establishment to a more eligible situation. As the Trustees held property on condition that the school should be in Burton, they declined this proposition. In June, 1824, at a joint session of the Board of Managers, with special commissioners of the Presbyteries, it was decided to discontinue the connection with the Erie Literary Society and to found a separate institution. In January a special Board of Commissioners, representing the Presbyteries, to which the Presbytery of Huron was now added, selected Hudson as the site of the college. The Board of Managers, with four additional members representing the Huron Presbytery, now became the Board of Trustees, and held their first meeting at Hudson, February 15, 1825. They drafted a charter and drew up plans for the grounds. The charter was granted February 7, 1826, and on April 26 the corner stone of the first building was laid. The first students were received in December, 1826, and were instructed at Talmadge by Mr. Coe, the principal of the Academy at that place, who was appointed tutor *pro tempore*. In 1827 the new building at Hudson was occupied and the preparatory department established. A Theological Department was opened in 1830 and maintained until 1852.*

*This sketch of the foundation of the College is based upon "A History of Western Reserve College, 1826-1876, by Rev. Carroll Cutler, D. D., President. Cleveland, 1876.

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In 1878 the question of removing the College from Hudson to Cleveland was raised, and a committee of the Trustees was appointed to take the matter under consideration. In March, 1880, through a member of the Board of Trust, Mr. Amasa Stone, of Cleveland, proposed to give the College five hundred thousand dollars, provided it should be removed to Cleveland, occupy some suitable site to be donated by the citizens, and change its name to "Adelbert College of Western Reserve University." The new name was to be a memorial to Mr. Stone's only son, Adelbert, who had been drowned while a student at Yale. Mr. Stone proposed further, that of the sum offered by him one hundred and fifty thousand dollars should be expended in buildings and the remainder added to the permanent funds of the College. The committee weighed the comparative advantages of city and country situation and especially the opportunities for growth and development in the new environment. Moreover an investigation showed that, in the fifty years from its foundation in 1876, the College had received in gifts some three hundred and seventy-five thousand dollars, two hundred thousand dollars of which had been given for current expenses. The remainder constituted the College endowment, and included the funds used in establishing the Handy, Hurlbut, Oviatt, and Perkins professorships. Mr. Stone's offer would exactly treble the endowment, in addition to providing a modern equipment. The committee, therefore, recommended the acceptance of the proposition, and the Trustees voted, on September 20 of the same year, to make the change whenever the conditions were fulfilled. On March 19, 1881, the Trustees voted that the conditions had been complied with and that the removal should be made.

In accordance with this decision, in September, 1882, the College opened its doors on the new campus of twenty-two acres, situated in the midst of the great park system of

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Cleveland. On this campus two buildings had been erected, one containing rooms for the work of instruction, with offices, chapel, library, and museum ; the other, apartments for sixty students. The ensuing years have fully proved the wisdom of the change, as shown by the increase of students and of endowment funds. In 1883 the sum of one hundred thousand dollars was added to the funds of the College by the will of Mr. Stone. In 1888 the gymnasium was erected and equipped by the gifts of numerous friends. During the same year fifty thousand dollars was received to found the Haydn Professorship. In 1894 Mr. Samuel Mather built and furnished the Physical Laboratory In the following year Mr. Henry R. Hatch presented the library building bearing his name, and in 1898 added the wings as provided in the original designs. In 1897 Eldred Hall, a building for the use of the Young Men's Christian Association, was erected through the gift of the late Rev. Henry B. Eldred. In 1899, the Biological Laboratory, to which many friends contributed, was completed. By the will of Daniel B. Fayerweather, of New York City, who died in 1890, the College has received an additional endowment fund of one hundred and fifty thousand dollars.

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FACULTY AND INSTRUCTORS.

Arranged, with exception of the President, in the order of graduation from College.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

LEMUEL STOUGHTON POTWIN, A. M., D. D., 322 Rosedale Av.
Professor of the English Language and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., 2238 Euclid Av.
Hurlbut Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

CHARLES HARRIS, Ph. D., (Absent on leave).
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology and Curator of the Zoological Collection.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.
Oviatt Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 49 Cornell St.
Professor of Latin and Instructor in Sanskrit.
Secretary of the Faculty.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek, Dean of the Faculty.

JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.
Haydn Professor of History.

BENJAMIN PARSONS BOURLAND, PH. D., 12 Adelbert Hall
Associate Professor of Romance Languages.

FRANCIS WALKER, PH. D., 44 Nantucket St.
Associate Professor of Political and Social Science.

OLIN FREEMAN TOWER, PH. D., Euclid Av. and Nantucket St.
Assistant Professor of Chemistry.

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JOHN DICKERMAN, A. B., 852 Doan St.
Instructor in Mathematics.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Instructor in Chemistry.

EDWARD MEYER, PH. D., 844 Logan Av.
Instructor in German.

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.
Instructor in Philosophy.

CLARENCE POWERS BILL, PH. D., 853 Logan Av.
Instructor in Latin and Greek.

CLARENCE DIMICK STEVENS, A. M., 698 Republic St.
Instructor in Rhetoric and Elocution.

FRITZ REICHMANN, PH. D., 46 Knox.
Instructor in Physics.

WILLIAM DINSMORE BRIGGS, PH. D., 2238 Euclid Av.
Instructor in English.

CHARLES JESSE WEHR, A. B., M. D., 5 Adelbert Hall.
Instructor in Physical Culture and Director of Gymnasium.

OTHER OFFICERS.

EDWARD CHRISTOPHER WILLIAMS, B. L., 61 Grant St.
Librarian.

ESTHER CRAWFORD, B. L., 972 Cedar Av.
Assistant in Library.

CARL B. JAMES, B. S., 958 S. Logan Av.
Assistant in Biology.

Additional instruction in their own departments is given by the following members of the Faculty of the College for Women.

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.
Professor of Greek.

ROBERT WALLER DEERING, PH. D., 41 Cornell St.
Professor of German.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in Historical Bibliography.

THOMAS EDWARD OLIVER, Ph. D., 10 Adelbert Hall.
Instructor in Romance Languages.

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LAWRENCE EDWARD GRIFFIN, PH. D., 2838 Euclid Av.
Instructor in Biology.

HOWELL·MERRIMAN HAYDN, A. B., 15 Lagrange St.
Instructor in Bible.

STANDING COMMITTEES OF THE FACULTY.

I. COMMITTEE ON ADMISSION:

PROFESSORS FULLER*, PLATNER, SMITH.

II. EXECUTIVE COMMITTEE:

(*Having oversight of the classroom work and academic status of the students.*)

PROFESSORS FULLER*, PLATNER, SMITH.

III. COMMITTEE ON CURRICULUM:

PROFESSORS EMERSON, MORLEY*, PLATNER.

IV. COMMITTEE ON PROGRAM OF RECITATIONS AND LECTURES:

PROFESSORS CUSHING*, PERRIN, WHITMAN.

V. COMMITTEE ON CATALOGUE:

PROFESSORS EMERSON, PERRIN*, DR. MEYER.

VI. COMMITTEE ON LIBRARY:

PROFESSORS CURTIS, DEERING, PLATNER*, EMERSON, WHITMAN.

VII. COMMITTEE ON ROOMS:

PROFESSORS HERRICK, PERRIN, WHITMAN*.

VIII. COMMITTEE ON GYMNASIUM.

PROFESSOR CUSHING, MR. DICKERMAN*, AND MR. WEHR.

IX. COMMITTEE ON ATHLETICS:

PROFESSORS CUSHING*, FULLER, AND MR. DICKERMAN.

*Chairman.

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STUDENTS.

SENIORS.

John Alvin Alburn, Cl.	*Kyles' Corners*	Eldred Hall.
Wilfred Henry Alburn, Cl.	*Kyles' Corners*	Eldred Hall.
Edwin Clare Caldwell, Cl.	*Warren*	Δ T Δ Rooms.
Richard Emmet Collins, L. S.	*Cleveland*	1734 Woodland Hills Av.
Joseph Warren Conner, M. L.	*Rochester, N. Y.*	Δ Y House.
Claude Leroy Difford. Cl.	*Cleveland*	49 Alum St.
Clarence Earl Drayer, Cl.	*Kenton*	K Φ E House.
Frank Brown Evarts, Cl.	*Cleveland*	99 Bellflower Av.
Daniel Robert Fairfax, M. L.	*Cleveland*	63 Calvert St.
Harry Lindsley Findlay, Cl.	*Cleveland*	151 Cornell St.
John Fish, L. S.	*Cleveland*	A T Ω House.
Robert Thompson Gage, M. L.	*Cleveland*	788 Republic St.
Raymond Hobart, M. L.	*Pemberville*	Δ K E House.
Charles Samuel McKee, L. S.	*Mt. Vernon*	K Φ E House.
Henry Leonard Mach, Cl.	*Cleveland*	688 Forest St.
Ralph Woodward Mead, Cl.	*Norwalk*	7 Adelbert Hall.
Roy Ryburn Moffett, L. S.	*Cleveland*	715 N. Logan Av.
Charles Augustus Morris, Cl.	*Cleveland*	189 W. Madison Av.
Herbert Gans Muckley, Cl.	*Cleveland*	148 Hawthorne Av.
Walter Worthington Nims, Cl.	*Bellevue*	798 Republic St.
Herman Joel Nord, L. S.	*Giddings*	60 Bellflower Av.
Harry Benton Parrott, L. S.	*Mt. Vernon*	805 Fairmount St.
Edward Peterka, Cl.	*Cleveland*	51 Goethe St.
Raymond Vincent Phelan, L. S.	*Cleveland*	698 Bridge St.
James Douglass Pilcher, L. S.	*Cleveland*	54 Auburndale St.
William Harper Rider, Cl.	*Alliance*	A T Ω House.
John Philander Rorabeck, L. S.	*Bedford*	16 Adelbert Hall.
George William Saywell, M. L.	*Hudson*	K Φ E House.
Edward Henry Sensel, Cl.	*Cleveland*	124 Putnam St.
Frank North Shankland, L. S.	*Willoughby*	Δ T Δ Rooms.
Miles Reuben Southworth, Cl.	*Schuyler's Lake, N. Y.*	A T Ω House.
Edwin Wesley Suits, L. S.	*Cleveland*	939 S. Logan Av.
Homer Fordyce Swift, L. S.	*Beaver Falls, Pa.*	A T Ω House.
Philip Hyatt Tarr, L. S.	*Mt. Vernon*	79 Sayles St.
George Taylor, Cl.	*Lima*	89 Cutler St.

*Abbreviations: Cl., Classical Course; L. S., Latin-Scientific Course; M. L., Modern Language Course. A number in parenthesis after the name of a special student indicates the year to which he belongs.

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Frederick William Uhlman, M. L.	*Weston*	Δ Υ House.
James Washburn Waite, L. S.	*Cleveland*	1086 Scranton Av.
Roydon Edward Weaver, L. S.	*Akron*	153 Cornell St.
Oliver Arkenburgh Weber, L. S.	*Miamisburg*	Β Θ Π House.
Arthur Garfield Wilcox, L. S.	*Akron*	16 Adelbert Hall.
Owen N. Wilcox, M. L.	*Cleveland*	59 Olive St.
Lewis Blair Williams, Cl.	*Cleveland*	64 Glen Park Pl.
Oliver Amos Wright, Cl.		45 Knox St.

SENIORS, 43.

JUNIORS.

Edwin Allen Barnes, L. S.	*Payne*	20 Adelbert Hall.
Edwin Childs Baxter, Cl.	*Los Angeles, Cal.*	Α Δ Φ House.
Walter Lewis Bissell, Cl.	*New Milford*	Δ Κ Ε House.
Charles Bushnell Byal, Cl.	*Findlay*	Δ Κ Ε House.
Homer Charles Campbell, L. S.	*Akron*	68 Bell Av.
John Stanard Campbell, L. S.	*Cleveland*	1035 St. Clair St.
Edwin Leland Carle, Cl.	*Geneva*	24 Streator Av.
James Williams Carpenter, M. L.	*Cleveland*	46 Knox St.
Paul Richard Chamberlain, Cl.	*Cleveland*	76 White Av.
Francis Corrigan, Cl.	*Cleveland*	66 Covington St.
Raymond Garfield De Frees, L. S.	*Troy*	8 Adelbert Hall.
David Love Dugan, Cl.	*Huntsburg*	Κ Φ Ε House.
Arthur Bradley Eisenbrey, L. S.	*Cleveland*	63 Adelbert St.
Albert Ellenberger, L. S.	*Cleveland*	Euclid Heights.
Robert Emmett Finley, L. S.	*Salem*	730 Republic St.
Robert Edward Gammel, M. L.	*Cleveland*	413 Dunham Av.
Birt Eugene Garver, M. L.	*Lorain*	Β Θ Π House.
Harlan Adolphus Hepfinger, L. S.	*Dunkirk, N. Y.*	Willoughby.
James Julius Hoffman, Cl.	*Cleveland*	1059 Central Av.
Bradley Hull, Jr., Cl.	*Cleveland*	340 Euclid Av.
Willis Burton Knisely, L. S.	*Canton*	1578 Cedar Av.
Frederick Tyler Lawton, L. S.	*Toledo*	Κ Φ Ε House.
Robert George Lotspietch, Cl.	*London*	6 Cornell Pl.
Albert W. Meyer, Cl.	*Cleveland*	844 Logan Av.
John William O'Brien, L. S.	*Mt. Vernon*	Wain St.
Edward Maynard Otis, L. S.	*Willoughby*	16 Mariner St.
Herbert Ernest Parker, L. S.	*Binghamton, N. Y.*	730 Republic St.
William Robert Polhamus,	*Cleveland*	20 Tennessee St.
Ernest James Reece, L. S.	*Cleveland*	59 Beersford Pl.
Hugh Griffith Rose, L. S.	*Wellsville*	142 Cornell St.
Rollin Henry Spelman, Cl.	*Rootstown*	Euclid Heights.

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Warren Daniel Spengler, M. L.	*Cleveland*	63 Fourth Av.
Feist M. Strauss, Cl.	*Cleveland*	1388 Superior St.
George Franklin Thomas, L. S.	*Cleveland*	Δ T Δ House.
Herbert Alfred Thomas, L. S.	*Lima*	147 Cornell St.
Sidney Burnett Tryon, Cl.	*Willoughby*	Δ T Δ Rooms.
Albert George Tuttle, Cl.	*Rowe, Mass.*	853 Doan St.
Lawrence Waldo Ustick, L. S.	*Washington C. H.*	15 Adelbert Hall.
Isaac Roy Watts, L. S.	*Willoughby*	Δ T Δ Rooms.
Elmer Bertram Wolfram, M. L.	*Bellevue*	Δ Y House.

JUNIORS, 40.

SOPHOMORES.

Hiram Henry Canfield, M. L.	*Euclid Heights*	Euclid Heights.
Sidney Loftus Chaffee, L. S.	*Cleveland*	239 Genesee Av.
Willis Brainard Clarke, M. L.	*E. Claridon*	345 Orange St.
Clyde Lottridge Cummer, L. S.	*Cleveland*	396 Bolton Ave.
William Jay Dawley, Cl.	*Cleveland*	A K E House.
John Adam Eisenhauer, Jr., M. L.	*Cleveland*	1433 Willson Av.
Ralph Stevens Emery, M. L.	*Cleveland*	2036 Broadway.
Louis Englander, Cl.	*Toledo*	A T Ω House.
George Tuttle Filius, Cl.	*Warren*	117 Adelbert St.
George Nathaniel Forbes, L. S.	*Bedford*	14 Adelbert Hall.
William Levi Fox, Cl.	*Piqua*	102 Adelbert St.
Rayman Forrest Fritz, Cl.	*Rittman*	49 Fairchild St.
Maurice Griffin, Jr., L. S.	*Toledo*	41 Cornell St.
William Henry Charles Heinmiller, Cl.	*Cleveland*	5 Steinway Av.
Kenneth Ethelbert Hodgman, L. S.	*Parma*	29 Foster St.
Isaac McCallum Hogg, L. S.	*Youngstown*	139 Cornell St.
Wade Oakly Hulbert, Cl.	*Thompson*	139 Cornell St.
Charles J. Jackson, L. S.	*Huckleberry*	845 Fairmount St.
Percy R. Jenks, Cl.	*Nottingham*	Nottingham.
William Pendleton Lanphear, Jr., Cl.	*Cleveland*	782 Republic St.
Leonard Corwin Loomis, Cl.	*Cleveland*	1280 Willson Av.
Arthur Fraw McArthur, L. S.	*Cleveland*	203 Oakdale St.
Forest Oliver March, L. S.	*Chagrin Falls*	A Δ Φ House.
Victor Garfield Mills, M. L.	*Willoughby*	Willoughby.
Walter George Miser, L. S.	*Annapolis*	14 Adelbert Hall.
Arthur Garfield Moore, Cl.	*Cuyahoga Falls*	129 Burt St.
Willis Edwin Morehouse, Cl.	*Huntsburg*	14 Adelbert Hall.
Edmond DeWitt Neer, L. S.	*De Graff*	117 Adelbert St.
Arthur Price Nutt, L. S.	*Sidney*	B Θ Π House.
John Frederic Oberlin, L. S.	*Canton*	67 Cornell St.

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Raymond Patton, L. S.	*Sidney*	12 Adelbert Hall.
Frank Herson Pelton, L. S.	*Willoughby*	Collinwood.
Frederick Early Pfeiffer, L. S.	*Kenton*	89 Sayles St.
Ulrich John Pfeiffer, L. S.	*Kenton*	89 Sayles St.
Noyes Billings Prentice, Jr., M. L.	*Cleveland*	12 Lakeview Av.
Ralph Roscoe Proctor, L. S.	*Fremont*	Α Δ Φ House.
Henry K. Ronk, Cl.	*Norwalk*	26 Wilbur St.
Olivia Burnell Sharp, L. S.	*Jonesboro, Ill.*	45 Fairchild St.
Louis Bennet Spanner, M. L.	*Cleveland*	240 Orange St.
Lawrence Caleb Spieth, Cl.	*Cleveland*	Δ Υ House.
Frank Holt Stedman, M. L.	*Belmont, Mass.*	1944 Euclid Av.
Emery E. Stevens, Cl.	*Cleveland*	2036 Broadway.
Howard Clifford Summers, Cl.	*Cleveland*	1528 Superior St.
Carl Peter Paul Vitz, Cl.	*Cleveland*	45 Marvin Av.
Raymond Crandall Warner, Cl.	*Geneva*	Δ Τ Δ Rooms.
Garratt Smith Wilkin, L. S.	*New Philadelphia*	Δ Κ Ε House.
Joseph Frank Williams, L. S.	*Youngstown*	Α Τ Ω House.
James Garfield Woodward,	*Painesville*	203 Adelbert St.
Charles Clarence Williamson,	*Salem*	Κ Φ Ε House.
Robert Algar Woolfolk, M. L.	*Danville, Va.*	49 Fairchild St.
James Herbert Young, Cl.	*Cleveland*	17 Centennial St.
John Lillie Young, L. S.	*Cleveland*	345 Russell Av.

SOPHOMORES, 52.

FRESHMEN.

Cary Rudolph Alburn, Cl.	*Kyles' Corners*	Eldred Hall.
Horace Barnes, M. L.	*Cleveland*	21 Claremont St.
George Forrest Barnett, L. S.	*Painesville*	15 Adelbert Hall.
James William Baxter, M. L.	*Cleveland*	29 Aetna St.
Henry Wilmer Blackburn, Cl.	*Wellsville*	142 Cornell St.
Robert Swinton Campbell, M. L.	*Cleveland*	2209 Superior St.
Walter Baldwin Carnes, L. S.	*Lima*	147 Cornell St.
Carl Judd Case, Cl.	*Hudson*	149 Cornell St.
Howard Latham Clarke, M. L.	*W. Williamsfield*	102 Adelbert St.
Harold L. Cline, L. S.	*New Philadelphia*	Δ Κ Ε House.
Charles Manchester Coe, M. L.	*Glenville*	Glenville.
John Lewis Conant, Cl.	*Cleveland*	22 Bleeker St.
Harvey Lee Comin, Cl.	*Mansfield*	168 Streator Av.
Gomer Abraham Cook, Cl.	*Youngstown*	49 Fairchild St.
Walter Henry Cook, Cl.	*Cleveland*	724 Republic St.
Herbert Randolph Cox, L. S.	*Canton*	2481 Euclid Av.
Bainbridge Cowell, Cl.	*Cleveland*	91 Arlington St.

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John Walter Daehler, M. L.	*Portsmouth*	125 Adelbert St.
John Benjamin Daugherty, L. S.	*Steubenville*	Euclid Heights.
Charles Francis Enyeart, L. S.	*Troy*	12 Adelbert Hall.
Earl Roemer Findley, M. L.	*Akron*	151 Cornell St.
Charles Clarence Garman, Cl.	*Troy*	23 Adelbert Hall.
Clark Peter Garman, Cl.	*Troy*	23 Adelbert Hall.
Clarence Edward Gibbons, L. S.	*Tallmadge*	766 Fairmount St.
Charles Albert Gilbert, L. S.	*Cleveland*	1604 Euclid Av.
William Hamilton Gillie, L. S.	*Twinsburg*	117 Adelbert St.
John James Gunn, Cl.	*Cleveland*	153 Dibble Av.
Roy Asa Haynes, L. S.	*Hillsboro*	389 Cedar Av.
Howard Waring Herrick, Cl.	*Cleveland*	3006 Euclid Av.
Emerson Freeman Hird, Cl.	*Baldwinville, Mass.*	44 Nantucket St.
Wallace Holliday, Cl.	*Cleveland*	30 Miles Park St.
Frank Merrick Hubbell, Cl.	*Cleveland*	673 Franklin Av.
Daniel Ernest Johnson, Cl.	*Cleveland*	53 Calvert St.
Harris Cecil Johnston, L. S.	*Boonville, Mo.*	45 Knox St.
Oliver Jones, Cl.	*Cleveland*	2370 Elmwood St.
Harry Ralph Lloyd, L. S.	*Wickliffe*	Wickliffe.
William Claude Martin, L. S.	*Cleveland*	84 Marvin Av.
Budd Noble Merrills, Cl.	*Wickliffe*	Wickliffe.
Oscar Richard Micklethwaite, L. S.	*Portsmouth*	125 Adelbert St.
William Theodore Miller, M. L.	*Cleveland*	999 E. Madison Av.
Arnold Minnig, L. S.	*New Philadelphia*	2481 Euclid Av.
Homer Lynn Nearpass, Cl.	*Culver, Ind.*	761 N. Logan Av.
William Thomson Nimmons, L. S.	*Lincoln, Kan.*	45 Knox St.
Robert Henry Horace Pierce, L. S.	*Toledo*	168 Streator Av.
Carl Adolph Riemenschneider, M. L.	*Cleveland*	161 Beechwood St.
Walter Lawrence Robison, M. L.	*Cleveland*	5 Hayward St.
John Richard Ruggles, L. S.	*Cleveland*	224 Streator Av.
Edgar Conrad Schmidt, M. L.	*Dayton*	Δ Υ House.
Philip Wallace Seagrave, Cl.	*Cleveland*	55 Fourth Ave.
William Ernest Singer, L. S.	*Weston*	Δ Υ House.
Clarence Evans Stinchcomb, L. S.	*Perry*	1177 Dennison Av.
Clarence Ansel Strong, Cl.	*Warren*	109 Cornell St.
Wilbert Rosco Strunk, L. S.	*Sidney*	13 Adelbert Hall.
John Hollam Stuart, Cl.	*Youngstown*	136 Murray Hill Av.
Roy Foster Van Voorhis, Cl.	*Van Wert*	126 Murray Hill Av.
Saul Charles Wachner, Cl.	*Akron*	440 Scovill Av.
Chester Marvin Wallace, Cl.	*Willoughby*	Willoughby.
Andrew Bracken White, M. L.	*Cleveland*	19 La Grange St.
James Victor Wolcott, M. L.	*E. Cleveland*	72 Grasmere St.

FRESHMEN, 59.

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SPECIAL STUDENTS.

Thomas Allan Boyle, (1)	*Salem*	121 Bell Av.
Albert Franklin Counts, (2)	*Sidney*	13 Adelbert Hall.
Bert Elijah Dean, (2)	*Fairmount*	Fairmount.
Roy Gould Harris, (1)	*Cleveland*	2211 Euclid Av.
Harold Edward Langdon, (2)	*Akron*	715 N. Logan Av.
Joseph Jackson Lane (1)	*Cleveland*	71 Streator Av.
Benjamin Muhlhauser, (1)	*Cleveland*	110 Walton Av.
Clarence J. Neal, (3)	*Cleveland*	616 Woodland Av.
John Roy Petty, (1)	*East Cleveland*	East Cleveland.
Charles Clark Thwing, (1),	*Leavenworth, Kan.*	44 Nantucket St.
Walter Herbert Warren, (2),	*Wooster*	76 Bell Av.
John Calvin Winter, (1)	*Terre Haute, Ind.*	1252 Scranton Av.

SPECIALS, 12.

SUMMARY.

Seniors	43
Juniors	40
Sophomores	52
Freshmen	59
Special Students	12
	206

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REQUIREMENTS FOR ADMISSION.

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION.

The regular examination for admission to the Freshman class is held at Adelbert College on the Friday and Saturday following Commencement (June 13-14, 1902). Attendance is required at the opening of the examination on Friday morning. The examinations, which are partly oral and partly written, occur as follows:

First Day—Mathematics, 9 A. M. to 12 M. (Arithmetic, 9 to 9:30; Algebra, 9:30 to 11; Geometry, 11 to 12); Greek, German and French, 2 P. M. to 5 P. M.; Chemistry, 2 P. M. to 3 P. M.; Physics, 3 P. M. to 4 P. M.; History, 4 P. M to 5 P. M.

Second Day—Latin, 9 A. M. to 12 M.; English, 2 P. M. to 4 P. M.

A second examination, to accommodate those unable to attend the first, is held at Adelbert College on the Monday and Tuesday before the opening of the first term (September 15-16, 1902), beginning promptly at 9 A. M. The order of examinations is the same as at the regular examination. Candidates applying to be examined at other than these specified times, or late at the second examination, must obtain special permission from the Faculty. Candidates late at the regular examinations have no opportunity to make good their loss until the second examination.

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REQUIREMENTS COMMON TO ALL COURSES.

All candidates, irrespective of the course they may choose, must be prepared in English, Latin, and Mathematics, according to the outlines of those subjects given below. Students whose examination papers show marked deficiency in spelling, punctuation, idiom, or division into paragraphs, will not be admitted to any course.

ENGLISH: The examination consists of two parts. The student is required to show a general knowledge of the books marked A in the following lists, and to write several short paragraphs on different subjects chosen from them. In preparation for this part of the requirement it is important that the candidate shall receive instruction in the fundamental principles of rhetoric. He is also required to answer questions testing a thorough acquaintance with the books marked B. These questions relate to the author and subject matter, to the essentials of English grammar, and to the leading facts in those periods of English literary history to which the prescribed books belong.

Examinations in 1902: *A*. For Reading: Shakespeare's Merchant of Venice; Pope's Iliad, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B*. For Study: Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, Il Penseroso; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

Examinations in 1903 and 1904: *A*. For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B*. For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—six orations, including De Imperio Gn. Pompeii. Virgil—the Bucolics, two books of the Georgics and five books of the Æneid, or the Bucolics and six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from

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prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Milne's or Taylor's Academic, or Wentworth's College), to the chapter on the Binomial Theorem. Geometry—(Beman and Smith, Milne or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

In addition to the above, students entering the several courses must be prepared in the following subjects: For the Classical Course, Greek; for the Modern Language Course, French or German; for the Latin-Scientific Course, Chemistry, Physics, and English History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the Preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered as equivalent). Homer—three books of the Iliad, with Prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), Jones's Exercises in Greek Prose (twenty-six exercises), or Pearson's Greek Prose Composition are recommended. History of Greece—Fyffe's Primer, Oman's, Myers's, or Smith's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: Ability to write simple sentences in French. A thorough knowledge of French Grammar, special attention being paid to the verbs. Ability to read ordinary French at sight. The following course is advised: First Year—French Grammar and exercises; irregular verbs; Kuhns' French Reader; Halévy's L'Abbé Constantin; Labiche's Voyage de M. Perrichon. Second Year—Grammar with Composition exercises from L'Abbé Constantin (Grandgent). Sandeau's Mlle de la Seiglière, Pailleron's Le Monde où l'on s'ennuie, Loti's Pêcheur d'Islande, Daudet's Contes (Cameron). Third Year—Review of irregular verbs, with composition exercises from La Belle

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Nivernaise. Molière's Bourgeois Gentilhomme, or any other comedy of Molière. Racine's Athalie, Corneille's Cid, Balzac's Eugénie Grandet.

GERMAN: Grammar, with translation at sight of easy German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when uttered. In addition, familiarity with the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise, Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke Thirty pages of lyrics and ballads.

CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Class-work through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative, such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

ENGLISH HISTORY: Ransom's Short History of England, or Montgomery's Leading Facts in English History.

ADMISSION ON CERTIFICATE.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates, similar to that given below, will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Dean, Professor Fuller, during Commencement week, or as soon thereafter as practicable.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been

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clearly demonstrated. In order to co-operate with the secondary schools in preparatory work, a report of the progress of each student admitted by certificate will be sent to the Principal of the school from which he comes. If those entering from any school during a term of years are found deficient in preparation, the privilege of entering on certificate will be withdrawn from that school.

[FORM OF CERTIFICATE].

Mr..... .....is a graduate of the ....School, in the.....course, Class of ....., has pursued the studies marked below with the success indicated by the attached standing, and is hereby recommended for admission to the.....course, Freshman class, Adelbert College, Western Reserve University.

(*Requirements for admission common to all courses*).

ENGLISH: Composition and Literature as prescribed in the catalogue.

MATHEMATICS: Arithmetic, including the metric system; Algebra (Milne's or Taylor's Academic, or Wentworth's College) to the Binomial Theorem; Geometry (Beman and Deniati, Milne, or Wells) complete.

LATIN—Grammar; Cæsar—three books of the Gallic, or two books of the Civil War; Cicero—six orations, including De Imperio Gn. Pompeii: Vergil—the Bucolics, two books of the Georgics, and five books of the Æneid, or the Bucolics and six books of the Æneid; translation at sight from Ovid and simple prose; Prose Composition—rendering simple English sentences into Latin; History of Rome; Ancient Geography.

In addition to the above for admission to

THE CLASSICAL COURSE:

GREEK: Grammar; Xenophon—four books of the Anabasis; Homer—three books of the Iliad, with Prosody; Translation at sight. Prose Composition; History of Greece; Ancient Geography.

THE MODERN LANGUAGE COURSE:

GERMAN: Grammar; Translation at sight; Prose Composition; Riehl—Der Fluch der Schönheit, Freytag—Aus dem Staat Friedrichs des Grossen; Heine—Die Harzreise; Goethe—First three books of

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Dichtung und Wahrheit; Lessing—Minna von Barnhelm; Schiller—Wilhelm Tell und Das Lied von der Glocke; thirty pages of lyrics or ballads;—*or*,

FRENCH: Grammar; Translation at sight; Prose Composition; Halévy—L'Abbé Constantin; Daudet—Contes; Sandeau—Mlle de la Seiglière. Pailleron's Le Monde où l' on Sennuie; Lotis Pêcheur d' Islande; Molière—Bourgeois Gentilhomme; Racine—Athalie; Corneille—Cid; Balzac—Eugénie Grandet.

THE LATIN-SCIENTIFIC COURSE:

CHEMISTRY, PHYSICS, ENGLISH HISTORY.

When the above requirements have not been exactly met, the equivalents offered therefor must be specified in detail. When a certificate does not meet the above requirements *in full*, the applicant may be required to pass the usual examination in any or all the requirements.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to the Sophomore, Junior and Senior classes, whether from other colleges or not, may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from former instructors. No one is admitted to the Senior class after the beginning of the second half-year.

In connection with entrance to advanced standing, attention is called to the opportunity for combining professional training with the undergraduate work of the last year. For further particulars see the statement regarding the Medical College on page 56.

ADMISSION TO PARTIAL COURSES.

Students may receive instruction without becoming candidates for a degree, provided they can meet the requirements for admission to the Freshman class, or have pursued other studies which may be accepted as equivalent to the entrance requirements. *Such special students are permitted*

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to enter only those courses for which their previous training has fitted them. In general they are subject to the same requirements as to college regulations, number of hours of work, and standing in class as regular students, but each application is considered on its merits.

Special students, on severing their connection with the College, receive certificates of all work satisfactorily completed. The requirements for admission to each course may be learned on application to the Dean.

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COURSES OF STUDY.

FRESHMAN YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

BIBLE 1	1 hour a week, First half-year.	17 hrs.
ENGLISH 1 LATIN 1 AND 2. MATHEMATICS 1, 2 AND 3	3 hours a week throughout the year.	102 hrs.

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

Classical Course.	GREEK 1 AND 2..... GERMAN 1		
Modern Language Course.	FRENCH 1 AND 2 ..... GERMAN 2	6 hours a week throughout the year.	204 hrs.
Latin Scientific Course.	CHEMISTRY 2..... PHYSICS 1 A. First half-year HISTORY A. Second half-yr		

527 hrs.

In addition to the above subjects all members of the Freshman class are required to take systematic exercises in the gymnasium three times a week during six months of the year.

SOPHOMORE YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

ENGLISH 2, 1 hour a week throughout the year, 34 hours.

ELECTIVES, 15 hours a week throughout the year, 510 hours.

JUNIOR AND SENIOR YEARS.

ELECTIVES, 15 hours a week throughout the year.

With the exception of English 2, which is required of all students in their Sophomore year, each student, during the last three years, selects, with the approval of the Faculty, every course of study pursued by him. But during the three years in question, and before graduation, each student must complete not less than four half-year courses of three hours each in Language and Literature, not less than four in Mathematics and Natural Science, and not less than four in Philosophy, History and Social Science.

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SYNOPSIS OF COURSES.

The following statements describe all courses offered both prescribed and elective. Prescribed courses are indicated on page 43 of this catalogue; all others are elective. Unless otherwise stated, each course consists of three one-hour recitations each week. Numbers of courses are not necessarily consecutive. The hours at which courses are given will be found on the schedule of recitations, a copy of which may be obtained at the Dean's office.

ASTRONOMY.

PROFESSOR WHITMAN.

1. ASTRONOMY. Young's General Astronomy. The course is mainly descriptive, and is amply illustrated. Some attention is given to the history of astronomy. Second half-year.

BIBLICAL LITERATURE.

PRESIDENT THWING.

MR. HAYDEN. (Courses 2, 3, 4.)

1. THE LIFE OF CHRIST. Essays and discussions upon the principal doctrines of Christianity. One hour a week, first half of Freshman year.

2. HEBREW GRAMMAR AND READING. An introductory course. Harper's "Elements of Hebrew" will be used, later the Old Testament text. Three hours a week, throughout the year.

3. NEW TESTAMENT GREEK. A critical reading of selections from the Gospels, Acts and Epistles, to bring out the special characreristics of this Greek. Either half-year.

4. SEMINARY IN NEW TESTAMENT EXEGESIS. (Open to those who have taken Course 3). Written expositions of assigned passages, with discussions. Either half-year.

BIBLIOGRAPHY.

MR. WILLIAMS.

1. GENERAL AND NATIONAL BIBLIOGRAPHY. A study of the principal general bibliographies, and the national bibliographies of the United States, England, France and Germany. Familiarity with the

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works studied will be induced by practical problems. The course will be supplemented by a study of some of the best library catalogues and of the principles of cataloguing from the standpoint of the user.

2. REFERENCE WORK. A study of the better known works of reference, as the general and special cyclopedias, dictionaries, annuals, indexes to periodicals, and ready reference manuals of every kind. Works of a similar nature will be compared, and the limitations of each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. One hour a week, second half-year.

BIOLOGY.

PROFESSOR HERRICK.

DR. GRIFFIN.

1. ELEMENTARY BIOLOGY. An introduction to the study of living things upon the basis of morphology, physiology, and development. One recitation, two laboratory exercises of two hours each. Second half year.

2. ZOOLOGY—COMPARATIVE ANATOMY OF INVERTEBRATES. A study of the structure, development and relationship of certain types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3-4. ZOOLOGY—COMPARATIVE ANATOMY OF VERTEBRATES. A laboratory course in the general anatomy of vertebrates. One recitation and two laboratory exercises throughout the year.

6. ELEMENTS OF VERTEBRATE HISTOLOGY. The study of the tissues of the mammalian body. One recitation, two laboratory exercises of two hours each. Second half-year.

7. ELEMENTS OF VERTEBRATE EMBRYOLOGY. A detailed study of the development of the bird, and general principles of the embryology of vertebrates. One recitation, two laboratory exercises of two hours each. Second half-year.

9. GENERAL PHYSIOLOGY. A course of reading, supplemented by experiments in the laboratory, on the general physiology of the cell; an examination of the facts and theories of life and of the problems which it offers. Two exercises weekly. First half-year.

10. BOTANY. An introduction to the study of plants on the basis of their physiology, morphology and classification. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

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11. READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from November 1 to May 1 at a time most convenient to the members.

The Laboratory Fees for the different courses are: Courses 1, 2, 6, 7, 10, $5.00; Course 3-4, $5.00 for each term; Course 9, $2.00.

CHEMISTRY.

PROFESSOR MORLEY.

ASSISTANT PROFESSOR TOWER.

DR. GRUENER.

1. CHEMISTRY OF THE NON-METALLIC ELEMENTS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours.

2. INORGANIC CHEMISTRY. A more advanced course in general chemistry, for the Freshman year of the Latin-Scientific Course. Newth's Inorganic Chemistry. Two laboratory exercises and one recitation, throughout the year.

4. CHEMISTRY OF THE METALS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. First half-year.

5. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Open to those who have taken either course 2 or course 4. Second half-year.

6. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

7. ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each, throughout the year.

8. PHYSIOLOGICAL CHEMISTRY. Halliburton's Essentials of Chemical Physiology. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. Open to those who have taken or are taking course 6. First half-year.

9. PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year. Open to those who have had three half-year courses in chemistry.

The Laboratory Fee for Courses 1, 4, 7, or 8 is $3.00; for Course 2, $4.00; for Course 6, $5.00; and for Course 5 or 7, $6.00. These fees are for each half-year. Breakage and other damage to apparatus are charged extra.

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ECONOMICS.

ASSOCIATE PROFESSOR WALKER.

In general the student will be required to take the first course in economics before pursuing any of the others.

1. ELEMENTS OF ECONOMICS. The work is conducted by lectures, recitations and required readings. The text-book used is Walker's Political Economy (Advanced Course). First half-year.

2. VALUE AND DISTRIBUTION. A discussion of the problem of value in relation to distribution together with an historical treatment of the institution of property, systems of land tenure, slavery and the remuneration of free labor, interest and usury, profits and monopolies, etc. Lectures, recitations and readings. Second half-year.

3. MONEY. The history and theory of money, considering the production of the precious metals, coinage, paper money, bank money, theory of value, prices, bimetallism, etc. Lectures and required readings. The text-books are Walker, Money, and White, Money and Banking. First half-year.

4. PUBLIC FINANCE. This course deals with state economy—expenditure, taxation, debts, administration, etc. Lectures and required readings. The text-book is Bastable's Public Finance. Second half-year.

5. SOCIALISM. An historical and critical course in socialism and socialistic theory. Attention is paid to the historical basis of socialism, the various schools of the nineteenth century, and the efforts at socialistic reform. Lectures and required readings. The text-books are Ely's French and German Socialism, Schaeffle's Quintessence of Socialism. First half-year.

6. RAILROADS AND TRANSPORTATION. This treats of the history of transportation and its present problems, with especial reference to the relations of the railroads to the state, to the public, and to employes. Lectures and required readings in government reports, etc. The text-book is Hadley's Railroad Transportation. Second half-year.

7. HISTORY OF ECONOMIC THEORY. This deals, historically and comparatively, with the development of economic thought from the earliest times. Lectures, with required readings in examples of the principal schools. Ingram's History of Political Economy is used. 1901-1902. First half-year.

8. HISTORY OF POLITICAL THEORY. An historical and comparative course in the development or political thought from the earliest times. Lectures, with readings in examples of the principal schools. 1902-1903. Second half-year.

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9. HISTORICAL POLITICS. The evolution of the political institutions of mankind is traced from their origins to modern times, with a particular consideration of gentile society, the city state, the Athenian democracy, the Roman Republic and Empire, the feudal system, the mediaeval Empire, parliamentary institutions, etc. Text, Wilson: The State. First half-year.

10. COMPARATIVE POLITICS. The governments of four modern states, viz., the United States, British Empire, German Empire, and French Republic are examined and compared. Text, Wilson: The State. Second half-year.

ENGLISH.

PROFESSOR POTWIN (COURSES 14, 15, 16, 19, 20).

PROFESSOR EMERSON (COURSES 4, 5, 7, 10, 13, 17, 21-23).

DR. BRIGGS (COURSES 2, 4, 5, 11).

MR. STEVENS (COURSES 1, 6, 30).

RHETORIC AND ENGLISH COMPOSITION.

1. RHETORIC. Rhetorical theory from a text-book of rhetoric, and analysis of prose selections illustrating the principles of composition during the first half-year. During the second half-year a study of masterpieces of poetry and prose with an historical survey of English literature. A short essay or its equivalent each week, with conference for the correction of individual faults. Freshman year.

2. THEME WRITING. Short themes each week with individual conferences. Lectures on writing and the use of good English. One hour a week throughout Sophomore year.

4. DAILY THEMES. Five short themes each week on subjects chosen by the student. Weekly conferences with each student for correction and suggestion. First half-year.

5. DAILY THEMES. Similar to Course 4, but of a more advanced character. Students must have had Course 4 or its equivalent. 1900-1901. Second half-year.

6. FORENSICS. Critical study of masterpieces in argument and oratory, with preparation of briefs, argumentative essays and orations. First half-year.

7. HISTORY OF ENGLISH PROSE. Lectures on prose writers and the development of prose style. Critical reading of specimens of English prose from Mandeville to Burke, with collateral readings and essays. Second half-year.

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ENGLISH LANGUAGE AND LITERATURE.

Students are advised to take at least two of the first five courses before beginning those which follow.

10. CHAUCER AND SPENSER. A study of the minor poems and the Canterbury Tales of Chaucer, together with the most important poetry of Spenser. A survey of English poetry between Chaucer and Spenser, with lectures and collateral reading. First half-year.

11. SHAKESPEARE AND THE DRAMA. A general course on the literature from 1600 to 1625-30, with special emphasis upon the drama. Second half-year.

12. MILTON AND THE CLASSICISTS. English poetry from Milton to Pope inclusive, with special emphasis of Milton. The classical influence on English writers. Readings in the minor writers of the period. First half-year.

13. COLLINS TO KEATS. A rapid survey of the poets from the death of Pope to Cowper, and special study of Cowper, Burns, Wordsworth, Coleridge, Scott, Southey, Byron, Shelley, Keats. Second half-year.

14. TENNYSON AND THE POETS FROM 1830. The poetry of Tennyson will be the central and principal study, with readings of other poets, except Browning who is the subject of a separate course. First half-year.

15. AMERICAN LITERATURE. Its beginnings, dependence on English authors, and development under the influences of our history. First half-year.

16. HISTORY OF ENGLISH CRITICISM. The study will begin with Dryden, and include the critical works of Addison, Johnson, Hallam and others down to Matthew Arnold, and the critics of today.

17. THE ENGLISH NOVEL. An historical course beginning with the story-writers of the Elizabethan period, and following the development of the novel through the eighteenth, and early nineteenth century. 1901-1902. Second half-year.

18. THE ENGLISH DRAMA before Shakespeare. Text-book, Manley's Specimens of the Pre-Shakesperean Drama. First half-year.

19. SHAKESPEARE. All the plays of Shakespeare to be read rapidly in the probable order of composition, with selection of characteristic passages. As an introduction, one of the more familiar plays will be studied for its illustration of the language of that period. Second half-year.

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20. THE POETRY OF BROWNING. The study will follow the order of time of composition, typical selections being made for careful analysis and explanation. Second half-year.

21. OLD ENGLISH (ANGLO-SAXON). Lectures and recitations upon the language, with readings of selections from Old English prose and poetry. Special attention to the development of the language. First half-year.

22. MIDDLE ENGLISH. Lectures on Middle English language and literature, with readings of selections from prose and poetry. Special study of Chaucer and his contemporaries. Second half-year.

23. ADVANCED STUDY OF OLD AND MIDDLE ENGLISH. Critical reading of texts, study of sources, and of the development of language and literature. Throughout the year.

ELOCUTION.

30. A course in vocal training and drill in public speaking. Instruction is given by lectures; by individual training in the analysis and delivery of oratorical masterpieces; and in the writing of orations. Three hours a week, second half-year.

GEOLOGY AND MINERALOGY.

PROFESSOR CUSHING.

1. MINERALOGY. Crystallography, and Descriptive Mineralogy. Two hours of recitation and lectures, and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Determinative Mineralogy and Blow-pipe Analysis. Three laboratory exercises of three hours each. Physical Crystallography may be substituted for the Blow-pipe work. Second half-year.

3. GEOLOGY. Dynamical and Structural Geology. Three hours a week. First half-year.

4. GEOLOGY. Historical Geology. Lectures and field work in vicinity of Cleveland. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. Second half-year.

A Laboratory fee of $1.00 is charged for courses 1, 2 and 4.

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GERMAN.

PROFESSOR HARRIS.
PROFESSOR DEERING (COURSE 1).
DR. MEYER (COURSES 1, 2 AND 3).

1. ELEMENTARY GERMAN. Harris's German Lessons; German Reader and German Composition; easy texts. In this and the following courses as much of the work as possible is done in German, but conversation is used as a means, not as an end. Required of all who begin German in college. Throughout the year.

2. SELECTED MASTERPIECES of representative German authors, the latter part of the year being given to Schiller. The texts read vary from year to year. The first text in 1902-1903 will be Lessing's Emilia Galotti. Composition and advanced grammar. For Modern Language Freshmen. Throughout the year.

3. SECOND YEAR GERMAN. Whitney's German Grammar; Harris's German Composition. Reading of representative literary works. The texts read vary from year to year. The first text in 1902-1903 will be Eichendorff, Aus dem Leben eines Tangenichts. Open to all who have had Course 1 or its equivalent. Throughout the year.

4. AUTHOR COURSE. The greater part of the year is given up to the more detailed study of some of the great writers, usually Goethe, but some other texts are also read. The work is partly in the form of class exercises and partly private reading on which the student is examined. Drill in writing German. Open to all who have had Course 2 or 3, or an equivalent. Throughout the year.

The following electives are open to all who have had Course 4 or its equivalent:

5. OUTLINE HISTORY OF GERMAN LITERATURE. Recitations from a manual, with collateral readings; lectures on German history and Literature. Throughout the year.

6. MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc 1902-1903. Throughout the year.

8. RECENT GERMAN DRAMA. Lectures on the history of the German drama since Goethe's death; with the reading of plays of representative modern dramatists. Second half-year.

9. MODERN GERMAN PROSE. This course is given up to the study of a few of the modern writers in the fields of history, biography,

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travels, etc. Essays, lectures, and portions of larger works are read. Throughout the year.

10. FAUST. Goethe's Faust; connected history of the Faust legend (lectures), with selected readings from the more important Faustbücher and Volksschauspiele. 1902-1903. First half-year.

12. MODERN FICTION. German Fiction since 1848 (lectures); readings from Auerbach, Scheffel, Freytag, Spielhagen, Sudermann, and others. 1902-1903. Throughout the year.

13. FRANZ GRILLPARZER. His life, works, and relations to contemporary German dramatic literature. 1902-1903. First half-year.

14. HEINRICH HEINE. A detailed study of the life and works of Heine and his relations to contemporary German literature. 1902-1903. Second half-year.

GREEK.

PROFESSOR FULLER.
PROFESSOR FOWLER.
DR. BILL.
MR. HAYDN.

1. HOMER. First half Freshman year.

2. ATTIC ORATORS. Rhetoric; Greek History from 404 to 338. Second half Freshman year.

3. THE DRAMA. Selections, with an introduction to the study of metres and scenic antiquities. First half Sophomore year.

4. PLATO. GREEK LITERATURE, connected survey, illustrated by extracts from authors not previously studied. Second half Sophomore year.

5. TRAGEDY. Selected dramas of Euripides, Sophocles, and Æschylus. First half-year.

6. THUCYDIDES, with comparative studies of Herodotus and Xenophon. Second half-year.

7. PHILOSOPHY. First half-year.

8. ARCHÆOLOGY. Second half-year.

9. IDYLLIC POETRY. First half-year.

10. ÆSCHINES AND DEMOSTHENES ON THE CROWN. First half-year.

11. LYRIC POETRY. First half-year.

12. NEW TESTAMENT GREEK. See Bible, Course 3.

13. NEW TESTAMENT EXEGESIS. See Bible, Course 4.

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HISTORY.

PROFESSOR PERRIN.

PROFESSOR PLATNER (COURSE 16).

MR. SEVERANCE (COURSE 17).

A. Outlines of European History. Text, George Burton Adams' "European History." Required of all Latin-Scientific Freshmen. Second half-year.

Students are advised to take courses 1 and 2 before beginning any of the others.

1. THE MIDDLE AGES. Europe from the fourth century to the fourteenth. The migration and settlement of the Teutonic peoples, the rise of the Christian church, Mohammedanism and the crusades, feudalism, the struggle of the Empire and Papacy, the growth of cities and the rise of modern kingdoms. First half-year.

2. MODERN EUROPE. An outline of the political, religious and social history of Europe from the fourteenth century to the present. Second half-year.

3. HISTORY OF FRANCE, from the fall of the Carolingians to the middle of the eighteenth century, with special reference to the growth of French institutions. Second half-year.

4. THE REFORMATION. A course based upon Fisher's History of the Reformation with collateral reading in Schaff's History of the Christian Church, Häusser's Period of the Reformation, Ranke's History of the Popes, and the writings of the reformers. Special topics are assigned for investigation. First half-year.

5. POLITICAL HISTORY OF ENGLAND, from the Tudor period to 1815. Lectures and prescribed reading. First half-year.

6. AMERICAN COLONIAL HISTORY. The constitutional and institutional development of the English colonies to 1783. Lectures with prescribed readings. First half-year.

7. POLITICAL AND CONSTITUTIONAL HISTORY of the United States, 1783-1860. Lectures with required readings. The more important documents in McDonald's Select Documents are read and discussed. 1901-1902. Second half-year.

8. THE OLD RÉGIME AND THE REVOLUTION. France, with comparisons drawn from other states, 1774-1789; the French Revolution, 1789-1795, its social and political struggles and its permanent results in French society. First half-year.

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9. THE HISTORY OF EUROPE FROM 1815. A continuation of Course 8. Second half-year.

10. (*a*) THE UNITED STATES 1860-1885. Lectures and reports upon topics assigned for investigation. Or,

(*b*) AMERICAN POLITICS. A study of the government of the United States, both National and State. Second half-year.

11. HISTORY OF COLONIZATION SINCE 1492. The history of the English colonies in America is not included. First half-year.

12. THE STUART RÉGIME, 1603-1714. Especial attention given to constitutional questions. The more important documents of Gardiner's Constitutional Documents of the Puritan Revolution are read and discussed. 1901-1902. Second half-year.

13. ENGLAND IN THE NINETEENTH CENTURY. A continuation of Course 5. Second half-year.

14. CONSTITUTIONAL HISTORY OF ENGLAND. Lectures and prescribed reading. The more important constitutional documents are discussed. First half-year.

15. AMERICAN DIPLOMACY, 1776-1877. Lectures and reports upon topics assigned for investigation.

16. ROMAN HISTORY. Open to Juniors and Seniors.

17. CHURCH HISTORY. The growth of the Christian Church will be traced in its organization, doctrine and life to the Reformation. An especial attempt will be made to introduce students to the larger literature of the subject.

LATIN.

PROFESSOR PLATNER.

DR. BILL.

1. LIVY. First half Freshman year.

2. PLAUTUS, two or three plays. HORACE, Satires. Second half Freshman year.

3. ODES OF HORACE. First half Sophomore year.

4. TACITUS, Germania and Agricola. JUVENAL, Satires. Second half Sophomore year.

5. CICERO'S LETTERS.

6. LUCRETIUS.

7. ROMAN ARCHÆOLOGY. Topography and monuments of ancient Rome.

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8. LATIN OF THE SILVER AGE. This course is based mainly on the letters of Pliny the Younger, Seneca, Tacitus, and Suetonius.

9. ROMAN COMEDY. Terence and Plautus, with the antiquities of the Roman stage.

10. ROMAN ELEGIAC AND LYRIC POETRY.

12. LATIN EPIGRAPHY. Introductory course.

13. ROMAN HISTORY. See History, Course 16.

Each of the elective courses, 5 to 12, is a half-year course, and in general they are given in a cycle, but no definite order can be stated, variations being introduced according to the number and character of the students.

MATHEMATICS.

PROFESSOR SMITH.

MR. DICKERMAN.

1. PLANE TRIGONOMETRY.

2. PLANE ANALYTIC GEOMETRY. Construction and discussion of Equation, Straight Line, Circle, Parabola, Ellipse.

Courses 1 and 2 required in Freshman year.

4. ALGEBRA (advanced course). First half Sophomore year.

5. PLANE AND SOLID ANALYTIC GEOMETRY (advanced course). First half-year.

6. SPHERICAL TRIGONOMETRY. SURVEYING. Second half Sophomore year.

7. ELEMENTS OF DIFFERENTIAL AND INTEGRAL CALCULUS. Second half Sophomore year.

8. DIFFERENTIAL AND INTEGRAL CALCULUS (advanced course). First half-year.

9. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. 1901-1902. Second half-year.

10. QUATERNIONS. Kelland and Tait's Introduction to Quaternions. First half-year.

11. DIFFERENTIAL EQUATIONS. Johnson's Differential Equations. 1902-1903. Second half-year.

12. MODERN ANALYTIC GEOMETRY. Second half-year.

The Laboratory fee for course 5 is $1.00.

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MEDICINE.

Seniors in Adelbert College may elect work in the Medical College of the University provided it does not count for more than six hours a week, as leading to an academic degree. By availing themselves of this opportunity and by proper choice of electives in the College, students may complete one of the four years required for the degree in medicine during their academic course. For details of such courses application should be made to the Dean of the Medical College, Dr. Millikin.

PHILOSOPHY.

PROFESSOR CURTIS.

DR. MARVIN.

The following chronological order will be observed. Students wishing to elect any of the more advanced courses (5-11) in the Senior year are advised to take Courses 1, 3 and 4, in the Junior year.

1. PSYCHOLOGY. An elementary course which presents in outline the entire subject matter, with special emphasis upon the functions of the Nervous System and the process of perception. First half-year.

2. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

3. LOGIC. This course, of which the purpose is chiefly practical, presents the elements of deductive and inductive logic, laying especial emphasis on the formal and material fallacies. The text-book used is Hyslop's Elements of Logic, or Jevons' Lessons in Logic together with Minto's Logic for consultation on special topics. Second half-year.

4. INTRODUCTION TO PHILOSOPHY. This course introduces the student to the chief problems of systematic philosophy, their history and present status. The instruction is given in the form of lectures and assigned private reading. Second half-year.

5. ETHICS. Muirhead's Elements of Ethics or Mackenzie's Manual of Ethics will be read to secure a general outline. Some of the more important problems of ethics will be studied in their historical and philosophical aspects by reference to the works of Aristotle, Kant, Martineau, Sidgwick, Green, Spencer and Stephen. First half-year.

6. (*a*) GENERAL HISTORY OF PHILOSOPHY. A course for Seniors extending throughout the year. The first term reviews oriental

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and Greek thought with their bearings upon patristic and scholastic philosophy to the close of the sixteenth century. The second term will consider the main lines of thought from Bacon and Descartes to Wundt and Spencer, inclusive. The more important texts are those of Windelband, Weber, Ueberweg-Heinze, Zeller, Hoeffding.

(*b*) BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations and private readings. The purpose is to acquaint the student with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treatise of Human Nature. The course will bring forward the main problems of Modern Philosophy. First half-year.

7. (*a*) INTRODUCTION TO THE HISTORY AND PHILOSOPHY OF RELIGION. The aim is to present Religion in its psychological, historical, critical, and constructive aspects. The course is based upon Menzie's History of Religion and Principal Caird's or Sabatier's Philosophy of Religion.—Or,

(*b*) PHILOSOPHY OF SOCIETY. Open only to students who have taken Courses 1 and 2. Lectures will be given by the instructor throughout the term and special work will be assigned to each student for report and discussion. Second half-year.

8. (*a*) THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Digests and critical essays are required for the purpose of bringing into prominence the main questions of Cosmology, and the bearing of Evolution on recent thought.—Or,

(*b*) THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Critique of Pure Reason will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysics of Morality, the Critique of Practical Reason, and the Critique of Judgment. Second half-year. Or,

(*c*) CONTEMPORARY THOUGHT. A study of some recent work of value, such as Balfour's The Foundations of Belief, or, Ward's Naturalism and Agnosticism.

10. ADVANCED PSYCHOLOGY. The subject of the course is the Psychology of Education. Its aim is to apply the results of psychology to the solution of some of the chief problems of education. First half-year.

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11. APPLIED LOGIC, OR SCIENTIFIC METHOD. In this course the general methods of science will be analyzed in order to study their principles and nature and logical justification. The chief works consulted are those of Mill, Sigwart and Venn. Second half-year.

PHYSICS.

PROFESSOR WHITMAN.

DR. REICHMANN.

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. ELECTRICITY AND MAGNETISM, LIGHT. Continuation of Course 1. Second half-year.

1. (*A*) General contents and text-book as in 1. For Freshmen entering the Latin-Scientific course. The work is arranged to utilize as fully as possible the preparatory course in physics. First half-year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics, or Preston's Theory of Light, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. An introduction to thermodynamics, based mainly on Buckingham's Theory of Thermodynamics, with lectures and references. Second half-year.
Alternating with 8.

5. ELECTRICITY AND MAGNETISM. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of Course 5. Second half-year.

7. MECHANICAL DRAWING. A course involving the principles of Descriptive Geometry and their application to projective drawing. Second half-year.

8. MECHANICS. A study of the principles of applied mechanics. Text-book, Wright's Elements of Mechanics. Second half-year.
Alternating with 4.

9. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to Hastings and Beach, General Physics, and a few exercises in the laboratory. First half-year.

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10. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

11. PHYSICAL EXPERIMENT. Special topics in physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

Courses 10 and 11 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

Two weekly exercises under Course 10 may be combined with Course 11 to count for one three-hour course.

An elementary knowledge of the Differential and Integral Calculus is necessary for Courses 4, 5, 6, 8 and 11.

The Laboratory fee for Course 9 is $2.00; for each of the other courses, $4.00.

THE ROMANCE LANGUAGES.

ASSOCIATE PROFESSOR BOURLAND.

DR. OLIVER (COURSES 3 AND 4 IN FRENCH).

FRENCH.

1. ELEMENTARY. Grandgent's French Grammar; Kuhns' French Reader. Practice in speaking and writing French. First half-year.

2. ELEMENTARY COURSE continued. Reading of modern prose and plays, with practice in speaking and writing. Second half-year.

3. RAPID READING OF NINETEENTH CENTURY TEXTS, with practice in conversation. First half-year.

4. RAPID READING OF MODERN AND CLASSIC TEXTS, with practice in conversation. Second half-year.

The foregoing are elementary courses, which will be offered annually; they or their equivalent must precede all other work in French. Of the following electives, not more than two may be expected in any one half-year:

5, 6. FRENCH PROSE COMPOSITION. Practice in writing French, with review of the Syntax. First and second half-years.

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7. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. Lectures, recitations and collateral readings in the classic drama and the prose writers. First half-year.

8. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Lectures and recitations, with special reference to Montesquieu, Voltaire, Diderot and J. J. Rousseau. Second half-year.

9. LITERATURE OF THE SIXTEENTH CENTURY. Montaigne, Rabelais. Lectures and recitations. First half-year.

10. OUTLINES OF THE HISTORY OF FRENCH LITERATURE TO THE END OF THE SIXTEENTH CENTURY. Lectures with illustrative readings. Second half-year.

11, 12. HISTORICAL FRENCH GRAMMAR. Lectures on the Phonology and Morphology, with illustrative readings in Old French texts. First and second half-years.

ITALIAN.

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. First half-year.

2. DANTE. The Inferno and the Vita Nuova. Lectures, readings, and recitations. Second half-year.

SPANISH.

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. First half-year.

2. READING OF MODERN PROSE AND PLAYS, with special drill in speaking and writing Spanish. Second half-year.

3. THE CLASSIC DRAMA. Lectures on the dramatic literature of the sixteenth and seventeenth centuries, with readings from Lope de Vega, Tirso de Molina, Alarcón, Calderón. First half-year.

4. CERVANTES. Lectures, recitations and reports. Second half-year.

SANSKRIT.

PROFESSOR PLATNER.

1. ELEMENTARY COURSE, designed for students who intend to make a specialty of Classical Philology. Throughout the year.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the Saturday after the last Thursday in January. The second half-year begins on the Monday after the last Thursday in January, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the day of prayer for colleges, religious exercises are held in Eldred Hall. The exercises of each half-year begin with prayers in the chapel at nine o'clock.

RELIGIOUS WORSHIP.

All students are required to attend daily prayers in the chapel. At this service addresses are frequently made by the clergymen of Cleveland and other cities. Students are also expected to attend morning service on Sunday in the churches of the city. It is desired that students should connect themselves with the churches of their choice, and enter as far as possible into their religious activities.

The Young Men's Christian Association of the college holds its meetings in Eldred Hall. This building is devoted entirely to the religious and social work of the Association.

LIBRARIES.

The College Library, including the collections of former literary societies, contains about forty-five thousand bound volumes and ten thousand unbound books and pamphlets. It is commodiously housed in the Hatch Library building, the gift of Mr. Henry R. Hatch, of Cleveland. The col-

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lections relating to the study of the German language and literature, French literature, United States history, and the history of the French Revolution are particularly full. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology, and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. The whole collection is classified according to the Dewey system somewhat modified. Students have access to all the books on the shelves, and the library is open from eight in the morning to half-past five in the afternoon.

In addition to the College Library, students may freely use the Free Public Library of Cleveland. It contains 150,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art, and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collections readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

Students thus have access to collections aggregating about 250,000 volumes, and constantly increasing in number.

LABORATORIES AND MUSEUMS.

Biology. The biological laboratory is designed, for the study of the biological sciences, especially zoology and botany; for a biological museum, in the sense of a reference

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or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestrial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

The building is of stone in Gothic design, and consists of three stories ninety-three by sixty-three feet, and two small wings, one of which contains the machinery used in heating. The first story contains suitable rooms for anatomy, botany and vivaria. The main elementary laboratory has an exposure of sixty feet on the north and twenty-seven feet on the east and west sides. It is lighted by eighteen windows and is designed for the conduct of large classes in elementary biology. In the same story are the offices of instructors, special laboratory rooms for zoology and embryology, coat, cloak and toilet rooms, and preparation and supply rooms for the main laboratories. The third story is divided into a large lecture room, a reference library and reading room, a photographic laboratory, and a series of museum and preparation rooms.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by himself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The laboratory of this department is, at the present time, on the third floor of the main building. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for

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optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for the special investigator.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This valuable addition to the scientific apparatus of the University is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

GYMNASIUM AND ATHLETIC FIELD.

At the southern end of the campus is the gymnasium, and beside it the athletic field. The former is well equipped with apparatus of the latest and most approved style. All members of the Freshman class are required to take systematic exercise three times a week during six months of the year. During the same period a similar opportunity is afforded members of the other classes. All work is under the supervision of the instructor in physical culture.

The athletic field has been graded and fenced, and seats have been erected. All college games can thus be played

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on the campus itself, and most of the evils attendant upon inter-collegiate contests avoided.

GRADES OF SCHOLARSHIPS.

Students are graded in their studies by letters which have value on a scale of eight, as follows:

E	(excellent)	7-8
G	(good)	6-7
F	(fair)	5-6
P	(pass)	4-5
D	(deficient)	-4

At the close of each half-year, instructors combine the grades of the term's work and of examinations in any ratio they see fit, and report to the Dean the resultant grades expressed in letters. The Dean then reports the grades of each student to his parent or guardian.

Care over the work of students is exercised by the executive committee after the followlng method. When the grade of a student becomes D in any study, the instructor reports the fact at once to the Dean, who sends an official notification of the deficiency to the student and to his parent or guardian. The instructor keeps the Dean informed as to whether the student's grade continues D. Once a month the Dean reports to the faculty all information which he has received from instructors in regard to the grades of students.

Any student whose grade is D in the class-work of any study may be dropped from that study at any time by a majority vote of the executive committee and the instructor whose course is involved. He shall be so dropped when he has had grade D for six consecutive weeks, unless by a majority vote of the same persons he is allowed to remain in the study under special probation for a short time. In all cases the student's grade is determined by all his previous work in a study from the beginning of the half-year.

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If a student has grade D in the class-work of any study, he is not allowed to enter the examination, and cannot graduate until the head of the department reports to the Dean that the deficiency has been removed. In case the student is deficient in an elective study, he may take in class some other elective of the same number of hours a week, and the satisfactory completion of such elective will be regarded as removing his deficiency.

If a student's term standing in any study is not below grade P, but he fails in his examination, the instructor hands in his grade as D and also a notice that he is to be re-examined in that study. When he has passed this re-examination the instructor notifies the Dean at once, and the deficiency is cancelled.

When a student so fails in his work that, in the judgment of the executive committee, he cannot successfully continue it, a condition is placed upon him. He cannot then go on with any study unless he makes up the deficiency before a specified time.

No student who has entrance conditions will be advanced to the rank of Junior. No student is allowed to enter the second half of his Senior year who has not made up all his deficiencies.

In general, regular students are not allowed to become special students on account of failure to maintain themselves in their regular work, but individual cases may be considered on their merits by the executive committee.

DEGREES.

In order to be recommended for a degree a student must have passed in all the studies of his course and have attained a grade of "Fair" or a higher grade in at least one-third of them. The degree of BACHELOR OF ARTS is conferred upon those who have completed that regular course which includes the study of the Greek language and literature; the degree of BACHELOR OF LETTERS on those who have

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completed the course in which modern languages are substituted for Greek; and the degree of BACHELOR OF PHILOSOPHY on those who have completed the course in which more advanced science is substituted for languages.

Members of classes earlier than that of 1893 may receive the degree of MASTER OF ARTS as heretofore, or, if they prefer, after a special course of study. The fee for the Master's degree is ten dollars. For further information candidates should address the Secretary of the Faculty, PROFESSOR PLATNER.

HONORS.

In Chemistry, French, German, Greek, Latin and Mathematics, two-year honors are given to those students who, at the completion of the Sophomore year, have attained grade "Excellent" in each course of these departments during two years, and grade "Fair" or a higher grade in all of their other studies.

Honors are awarded to the graduating class at each Commencement, and to the Junior class at the end of the Junior year. These honors are determined by the standing of the students in all their previous college work. To be recommended for a degree with honors, a student must have attained grade "Fair" or a higher grade in all his college work; for degree *summa cum laude*, grade "Excellent" in five-sixths of all his work; for degree *magna cum laude*, grade "Excellent" in one-half of all his work, or "Excellent" or "Good" in five-sixths of it; for degree *cum laude*, "Excellent" or "Good" in one-half of all his work.

Opportunity is given to students with advanced preparation to pursue studies and investigations outside the prescribed course under the direction and assistance of the Faculty, provided they maintain a standing of at least G in each of their regular studies. Students who pass successful examinations in these additional studies may be exempted from a portion of the regular examinations, and receive honorable mention in the catalogue.

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PRIZES.

PRESIDENT'S PRIZES are offered as follows:

Three prizes for excellence in producing and speaking orations are awarded to members of the Junior and Sophomore Classes who engage in a Junior-Sophomore oratorical contest at Commencement. Of these, two first prizes of thirty-five dollars each are given to the contestants who rank first in each class. A second prize of twenty dollars is awarded irrespective of class. The following rule respecting the competion has been adopted by the faculty. A Sophomore who gains the first prize in any contest shall not compete again, and one who gains the second prize may compete, in his Junior year, for the first prize only.

Six prizes for the highest records in scholarship are awarded at the end of the Freshman year as follows: In French and German (Modern Language Freshmen) twenty-five dollars; in German (all except Modern Language Freshmen) twenty-five dollars; in English, forty dollars; in Greek, twenty-five dollars; in Latin, forty dollars; in Mathematics, forty dollars. A prize of twenty-five dollars is also awarded for the best results in the work of the gymnasium during the Freshman year. These prizes are awarded only to those pursuing their Sophomore year in Adelbert College, and no prize will be given if it seems to the department or departments concerned, that it is not clearly merited.

PHILOSOPHICAL PRIZES, founded by Mr. Truman P. Handy, and continued in his memory by his daughter, Mrs John S. Newberry, are offered as follows: Two prizes, one of sixty and one of thirty dollars, are awarded by a committee at the close of the college year, to the two members of the philosophical group who shall excel in an original essay and a special examination. The subject assigned for 1901-1902 is, A Critical Review of Hedonism.

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ENGLISH PRIZES are offered as follows: The early English Text Society offers a prize, consisting of publications of the Society, for the best examination in old and Middle English. The New Shakespeare Society offers a similar prize for the best examination in Shakespeare. Each prize consists of publications of the Society offering it.

THE HUGHES PRIZE. By the kindness of Mr. Rupert Hughes, of the Class of 1892, two prizes, one of fifteen and one of ten dollars, are offered for the best poems written by undergraduates. These sums may be combined into a single prize in any year if any one poem is of exceptional merit. Competitors must submit their productions, in type-written form and under an assumed name, not later than May fifteenth of each year.

THE HOLDEN PRIZE. Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior on some subject selected by the department of Rhetoric. Essays in competion for this prize must be type-written and submitted under an assumed name not later than May fifteenth, 1902. The subject for this academic year is "Aspects of the Lyrical Spirit in English Poetry from Collins to Keats."

THE DEBATE PRIZE. In order to encourage and strengthen the debating interests of the College, an alumnus offers a prize of thirty dollars to be divided equally among the three students who win places on the debating team in the preliminary contests, and represent the institution in the annual contest of the Ohio Debating League.

THE HARRIET PELTON PERKINS SCHOLARSHIP, the income of a fund of two thousand dollars, given for that purpose by Mr. Edwin R. Perkins, is awarded annually to that member of the Junior class who fills the following conditions: He must rank in the first third of his class in the study of the classics, having pursued Latin and Greek through the

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Sophomore year. He must also attain, among those fulfilling the first condition, the highest rank for excellence in the English Language and Literature, having taken, besides all required courses, at least three hours a week during both terms of the Junior year. Finally, he must continue his studies in the College through his Senior year, unless disabled by illness, or by some other cause which shall be deemed satisfactory.

THE FRANCIS G. BUTLER PUBLICATION FUND.

In March, 1893, Mrs Julia W. Butler gave one thousand dollars to found the Francis G. Butler Publication Fund, "the income from the fund to be devoted to the publication of the results of original research in the field of American history, made by the professors or students of Adelbert College, the College for Women, or the Graduate School of Western Reserve University.

EXPENSES.

The College charges are as follows:

MATRICULATION	$ 5.00
TUITION, INCIDENTALS, LIBRARY, and GYMNASIUM	85.00

Students taking work in the biological, chemical, geological and physical departments pay for the cost of perishable material and the loss incident to the use of the instruments. Laboratory fees vary for different courses, and the amount for each is specified in the statement of courses.

All College charges are paid to the Bursar—the matriculation fee at the time of registration; the laboratory fee, and one-half the charge for tuition, within fourteen days of the opening of each half-year.

Board and rooms in private families in the vicinity of the College may be obtained at a cost of from three to five dollars a week; board in clubs for from two and a half to three dollars a week.

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BENEFICIARY AND OTHER AID.

Certain scholarships are awarded to meritorious students who need pecuniary aid. By these they are relieved of a portion of the fixed charges of the College. The scholarships are founded by gifts of $500 each, and are worth the interest of that sum at six per cent., or $30 a year. All scholarships are granted upon the following conditions:

1. All applicants for scholarships shall file written statements of resources, expenses, and needs, accompanied in the case of those just entering college, whether as Freshmen or in the higher classes, by testimonials as to character and attainments.

2. Scholarships shall be granted annually upon each application, but may be withdrawn for cause at the end of one half-year.

3. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, shall be in the hands of the executive committee, who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

4. In general only candidates for a degree in full standing are eligible to a scholarship. But one may be granted to any student who, by reason of incomplete preparation, is obliged to enter college as a special student, but with the intention of making up his deficiencies and taking a degree, and it may be continued to him in successive years if his progress warrants the belief that he will carry out his intention. But a student in full standing, who becomes a special student, shall not in general be eligible to a scholarship. A student, to be eligible to a scholarship, or to retain one, must in general maintain an average of "Fair" in all his studies and must not fall below the passing grade in any subject.

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5. A scholarship may be withdrawn from a student whose work or conduct ceases to be satisfactory.

6. A limited number of scholarships of larger amount (covering perhaps four-fifths of, or even the whole of the term bills) shall be offered to students of distinctly higher grade, the number and conditions to be determined later.

In addition to the scholarships, there are also certain funds which are loaned to students recommended by the Faculty. When repaid they will be used in aiding other students. A few of those students who have a thorough preparation for college are enabled to earn more or less money by teaching or other labor.

Students placed upon the list of beneficiaries are expected to maintain their standing in scholarship, and also to finish their course here. Before dismissal to another institution can be granted, the college dues, including the amounts given or loaned, must first be paid.

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THE COLLEGE FOR WOMEN.

GENERAL STATEMENT.

IN ORDER to provide more adequate means for the separate higher education of young women, the Board of Trust of Western Reserve University established the College for Women in 1888. The first session began in September of the same year. For the first three years of its existence the college depended largely for its courses of instruction upon members of the faculty of Adelbert College. At the end of that period it acquired a separate corps of instructors, so that since that time each of the two colleges, the one for women and the other for men, has had a faculty of its own. In this relation special mention should be made of the generous gifts and bequests through which have been established the Eliza Clark Professorship of Greek, the Emily A. Woods Professorship of Latin, the Florence Harkness Professorship of Biblical Literature, and the Lucy A. Leffingwell Professorship of Philosophy. The two colleges have a common standard of work, and the relations of each to the other and to the rest of the University tend to develop a common breadth of outlook. Moreover, in a number of the departments, by exchange of work and other arrangements, instruction is given in each college by members of the faculty of the other. Graduates of the College for Women receive their degrees from the University, of which it is an integral part. The system is thus not one of co-education, nor of complete separation in education, but of co-ordination.

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In 1892 it moved to its present site on Bellflower Avenue, in the most attractive and healthful part of the city, a few steps from Euclid Avenue on one side and from Wade Park and the great system of parks and boulevards on the other. In 1898 the college grounds were enlarged, so that they now contain about four acres. Clark Hall, named from its donor, Eliza Clark, was erected in 1892 from designs by Richard M. Hunt. It contains the library, gymnasium, and offices, in addition to recitation and study rooms. A home for students, called Guilford House, the gift of Mrs. Samuel Mather, was built in 1892 and greatly enlarged in 1894. The Florence Harkness Memorial is just completed; it contains, in addition to the main assembly room, the recitation room and library for the Bible classes. Haydn Hall will be completed this year; it is designed to supply rooms for study and social purposes, and also to serve as a dormitory. The laboratories in Biology, Chemistry, Geology and Physics are situated on the campus of Adelbert College and are used in common with the members of that college. The Hatch Library and Astronomical Observatory are also used in common.

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ADVISORY COUNCIL.

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MISS L. T. GUILFORD.

Vice President:
MRS. WILLIAM A. LEONARD.

Secretary:
MISS MARY L. SOUTHWORTH.

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MRS. EDWARD W. MORLEY,
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MISS HARRIET SHELDON HURLBUT,
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MRS. DUDLEY P. ALLEN,
MRS. EDWARD W. HAINES,
MRS. ARTHUR E. LYMAN,
MISS BERTHA L. TORREY, President of the Alumnae Association.

Corresponding Members.

Mrs. Wm. H. Upson, Akron, O.
Mrs. C. W. Jacques, Ashtabula, O.
Mrs. J. Osborne Moss, New York.
Mrs. James A. Garfield, Mentor, O.
Mrs. H.S. Lane, Crawfordsville, Ind.
Mrs. C. O. Gridley, Erie, Pa.
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Mrs. Frank G. Sigler, Montclair, N.J.
Mrs. Joseph Howells, Jefferson, O.
Mrs. George H. Ely, Elyria, O.

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FACULTY AND INSTRUCTORS.

Arranged, with exception of the President, in the order of graduation from College.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HIRAM COLLINS HAYDN, D. D., LL. D., 15 La Grange St.
Harkness Professor of Biblical Literature.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Woods Professor of Latin.

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.
Clark Professor of Greek.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

HENRY ELDRIDGE BOURNE, A. B., B. D., (Absent for the year).
Professor of History.

ROBERT WALLER DEERING, PH. D., 41 Cornell St.
Professor of Germanic Languages and Literature.

HERBERT AUSTIN AIKINS, PH. D., 40 Cornell St.
Leffingwell Professor of Philosophy.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in Historical Bibliography.

ANNA HELENE PALMIÉ, PH. B., 34 Sayles St.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

CHARLES E. CLEMENS, 1093 Prospect St.
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FRANCIS WALKER, PH. D., 46 Nantucket St.
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Instructor in Romance Languages.

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Instructor in Biology.

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FRITZ REICHMANN, PH. D., 46 Knox St.
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HOWELL MERRIMAN HAYDN, A. B., 15 La Grange St.
Instructor in Bible.

AGNES HUNT, PH. D., 51 Mayfield St.
Instructor in History.

GRACE MORELAND HENDERSON, B. L., East Cleveland.
Instructor in French.

MARY GEORGE CLARK, Guilford House.
Instructor in Physical Training.

NINA MAY ROBERTS, A. M., Alta House.
Assistant in English.

MAUD WINSHIP, A. M., 100 Kensington St.
Assistant in Philosophy and Education.

WINIFRED ALICE STORER, B. L., 95 Ingleside Av.
Assistant in English.

ALICE DOYLE DRAKE, PH. B., 792 Republic St.
Assistant in English.

OTHER OFFICERS.

BERTHA LOUISE TORREY, A. B., Guilford House.
Registrar and Assistant to Bursar.

ANNA LOUISE MAC INTYRE, A. B., 136 Sawtell Av.
Librarian.

HARRIET B. CHAPMAN, A. B., M. D., 810 Rose Building.
Lecturer on Hygiene.

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JESSIE BOGGS, A. M., M. D., 1257 Euclid Av.
Medical Examiner.

ELIZABETH CURRIER ANNIN, *Housemistress*, Guilford House.

HAROLD N. FOWLER,
EMMA M. PERKINS,
ROBERT W. DEERING, } *Executive Committee.*

HENRY E. BOURNE, *Bursar.*

Additional instruction in their own departments is given by the following members of the Adelbert College Faculty.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., 2238 Euclid Av.
Hurlbut Professor of Natural History and Chemistry.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek.

BENJAMIN PARSONS BOURLAND, PH. D., 12 Adelbert Hall
Associate Professor of Romance Languages.

JOHN DICKERMAN, A. B., 852 Doan St.
Instructor in Mathematics.

OLIN FREEMAN TOWER, PH. D., Euclid Av. and Nantucket St.
Assistant Professor of Chemistry.

EDWARD MEYER, PH. D., 844 Logan Av.
Instructor in German.

CARL B. JAMES, B. S., 958 S. Logan Av.
Assistant in Biological Laboratory.

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STUDENTS.

SENIORS.

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Arabella Swift Canfield, L. E.	*Cleveland* [8]	Guilford House.
Bessie Mildred Chandler, L. E.	*Cleveland* [1]	Guilford House.
Cordelia Elizabeth Claflin, M. L.	*Cleveland* [9]	446 Dunham Av.
Mabel Fay Clark, M. L.	*Cleveland* [45]	348 Dunham Av.
Evelyn Maude Collins, Cl.	*Cleveland* [1]	1235 Cedar Av.
Minnie Anna Creedon, L. E.	*Painesville* [80]	69 Beechwood St.
Sarah Smith Harbine, L. E.	*Xenia* [44]	75 Adelbert St.
Eva Minerva Hauxhurst, L. E.	*Cleveland* [1]	13 Kenmore St.
Mabel Ainslie Holland, L. E.	*Sandusky* [81]	Guilford House.
Mathilde Emma Junge, M. L.	*Cleveland* [3]	951 Detroit St.
Lura Claire Kurtz, L. E.	*Cleveland* [1]	8 Cedar Av.
Martha Lueke, M. L.	*Cleveland* [1]	708 Willson Av
Susan Ray McKean, M. L.	*Cleveland* [1]	40 Summit St.
Effie McKinney, L. E.	*Mechanicsburg* [59]	Guilford House.
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Zara Belle Rhoades, Cl.	*Cleveland* [1]	499 Russell Av.
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Lila Pauline Robeson, L. E.	*Cleveland* [1]	106 White Av.
Jeannette Eunice Sague, L. E.	*Cleveland* [1]	Guilford House.
Lucia Harriet Sanderson, Cl.	*Cleveland* [1]	166 Sawtell Av.
Hannah Eva Selby, Cl.	*Cleveland* [1]	25 Commonwealth Av.
Harriet Marie Skeel, M. L.	*Cleveland* [1]	770 Republic St.
Margaret May Skeel, M. L.	*Cleveland* [2]	17 Marble St.
Carrie Belle Smith, L. E.	*Cleveland* [1]	109 Oakdale St.

*Abbreviations: Cl. for Classical Course; M. L. for Modern Language Course; L. E. for Latin-English Course The numerals after the home address indicate the institution from which the student came to College (see page 85); those after special students, the year of their course.

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Grace Alice Taft, L. E.	*Cleveland* [8]	1082 Detroit St.
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Cornelia Anna Zismer, M. L.	*Cleveland* [8]	112 Mechanic St.

SENIORS, 39.

JUNIORS.

Anna Leah Bailey, L. E.	*St. Louis, Mich.* [86]	93 East Lake St.
Mary Lawson Ballantyne, Cl.	*Elizabeth, N. J.* [87]	Hillcrest, East Cleveland.
Emma Laverne Bishop, M. L.	*Medina* [50·58]	70 Ingleside Av.
Caroline Arrowsmith Bruce, Cl.	*Cleveland* [1]	49 Lincoln Av.
Marcia Gertrude Bruckshaw, L. E.	*Cleveland* [1]	36 Beechwood St.
Maud Isabel Bruckshaw, M. L.	*Cleveland* [1]	36 Beechwood St.
Matilda Clara Buschman, M. L.	*Cleveland* [1]	Guilford House.
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Ethel Endora May Gifford, L. E.	*Cleveland* [2]	107 Gaylord St.
Juliette Alice Handerson, M. L.	*Cleveland* [1]	444 Dunham Av.
Ruth Evelyn Haydn, M. L.	*Cleveland* [48]	Guilford House.
Mary Adeline Hird, Cl.	*Baldwinville, Mass.* [88]	Guilford House.
Elizabeth Hubbell, L. E.	*Cleveland* [8]	65 Arlington St.
Maria Margaret Kelly, L. E.	*Cleveland* [8]	165 University St.
Sophia Clarke Kenyon, M. L.	*Rochester, N. Y.* [66]	Guilford House.
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Charlotte May Parker, L. E.	*Solon* [1]	Guilford House.
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Lydia Margaret Schwegler, Cl.	*Cleveland* [1]	58 Euclid Place.
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Florence Jeanette Taylor, Cl.	*Cleveland* [1]	78 Oakdale St.
Frances Lucille Thomas, M. L.	*Cleveland* [1]	1467 Willson Av.
Edith Wynonah Thompson, L. E.	*Cleveland* [1]	72 Harriet Av.
Grace Ethel Tompkins, M. L.	*Cleveland* [3]	97 Luverne St.
Gertrude Elizabeth Vilas, M. L.	*Cleveland* [1]	220 Kennard St.
Alice May Wallace, L. E.	*Cleveland* [1]	28 Marion St.

JUNIORS, 39.

SOPHOMORES.

Florence Ellinwood Allen, Cl.	*Salt Lake City* [6-68]	Guilford House.
Carlyne Margaret Buschman, M. L.	*Cleveland* [1]	Guilford House.
Katherine Evelyn Collord, L. E.	*Cleveland* [3]	189 Taylor St.
Jessie Edna Daniels, L. E.	*Canton* [80]	134 Murray Hill Av.
Agnes Mary Doster, M. L.	*Cleveland* [3]	72 Merchants Av.
Fanny Alice Dunsford, M. L.	*Avon, N. Y.* [22]	Guilford House.
Lois Violet Ellett, L. E.	*Cuyahoga Falls* [52]	Guilford House.
Madge Ina Ferry, L. E.	*South Kirtland* [8]	821 Fairmount St.
Matilda Fish, L. E.	*Cleveland* [88]	224 Streator Av.
Bessie Gillmer, L. E.	*Warren* [53]	Guilford House.
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Jennie Adele Gleeson, L. E.	*Cleveland* [1]	54 Kenwood Av.
Susan Elizabeth Gray, L. E.	*Cleveland* [1]	199 Quincy St.
Alice Constance Hagan, Cl.	*Cleveland* [1]	386 Willson Av.
Frances Antoinette Hinde, L. E.	*Cuyahoga Falls* [52]	158 Murray Hill Av.
Mary Estelle Hopkinson, L. E.	*Cleveland* [3]	288 Gordon Av.
Clara Margaret Huddleston, L. E.	*Cincinnati* [54]	Guilford House.
Clara Ethelinde Jacobi, M. L.	*East Cleveland* [1]	63 Beersford Pl.
Ethel Irene Jones, Cl.	*Cleveland* [2]	1635 Harvard St.
Carrie Hannah Kingsbury, M. L.	*Cleveland* [1]	94 Bertram St.
Sadie Rose Koblitz, M. L.	*Cleveland* [1]	63 Osborne St.
Ella Konigslow, M. L.	*Cleveland* [1]	882 Scovill Av.
Rhoda Landsberg, M. L.	*Cleveland* [1]	The Euclid.
Louise Reber Layman, Cl.	*Youngstown* [20]	Guilford House.
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Florence Elizabeth Myers. M. L.	*Cleveland* [1]	1 Glen Park Place.
Addie Ellen Oakley, L. E.	*Cleveland* [1]	800 Hough Av.
Lillian Elizabeth Oakley, L. E.	*Cleveland* [1]	800 Hough Av.
Frances Isabel Odlin, L. E.	*Dayton* [55]	Guilford House.
Rhoda Katharine Parks, L. E.	*Collinwood* [18-9]	Collinwood.

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Mary Jeannette Proudfoot, Cl.	*Cleveland* [2]	2320 Spafford St.
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Etta Anthony Sampliner, M. L.	*Cleveland* [1]	321 Kennard St.
Clara Beth Schneider, M. L.	*Canton* [50]	821 Fairmount St.
Anna Groh Seesholtz, M. L.	*Canton* [50]	Guilford House.
Beulah Blanche Smith, L. E.	*Cortland* [60]	1204 Cedar Av.
Ruhamah Georgette Smith, Cl.	*Cleveland* [1]	40 Cheshire St.
Lillian Belle Stilwell, L. E.	*East Cleveland* [1]	37 Stanwood Rd.
Fannie Langhorn Stoney, Cl.	*Cleveland* [3]	30 Bridge St.
Jennie Camille Suits, Cl.	*Cleveland* [1]	50 Bertram St.
Mary Eugenia Suliot, M. L.	*Salem* [67]	2 Sturteyvant St.
Mary Helen Thayer, M. L.	*Canton* [85]	Guilford House.
Mary Emily Van Epps, Cl.	*Cleveland* [1]	915 S. Logan Av.
Josephine Depear Walsh, Cl.	*East Cleveland* [42·10]	69 Hower Av.
Ethel Georgia Ward, Cl.	*Willoughby* [8]	Willoughby.
Ethel Ogarita Weimer, Cl.	*Cleveland* [1]	144 Hawthorne Av.
Katie Weis, M. L.	*Cleveland* [2]	Cor. Marcelline & Harvard St.
Cecily Whelan, Cl.	*Cleveland* [3]	103 Kentucky St.
Eleanor Worthington, M. L.	*Cleveland* [13]	34 Cheshire St.

SOPHOMORES, 50.

FRESHMEN.

Helen Grace Abbott, L. E.	*Cleveland* [1]	212 Bell Av.
Ida Florence Budde, Cl.	*Cleveland* [4]	116 Spangler Av.
Stella May Champ, L. E.	*Cleveland* [4]	59 Bolton Av.
Mabel Elizabeth Chapman, Cl.	*Cleveland* [2]	103 Marcelline Av.
Anita Marie Cleveland, M. L.	*Cleveland* [1]	392 Bolton Av.
Grayce Mildred Daniels, M. L.	*Canton* [50]	134 Murray Hill Av.
Jeanette Agnes Davidson, L. E.	*East Cleveland* [76]	24 Elsinore St.
Lillian Wenona Durstine, M. L.	*Cleveland* [4]	757 Willson Av.
Alice Duty, M. L.	*Cleveland* [4]	2577 Euclid Av.
Marina Everett, L. E.	*Foxcroft, Me.* [17·51]	887 Doan St.
Frieda Fliedner, M. L.	*Cleveland* [3]	160 Wellington Av.
Etta Freedlander, M. L.	*Cleveland* [1]	158 Putnam St.
Malvina Friedman, M. L.	*Cleveland* [2]	132 Hawthorne St.
Hortense Furth, M. L.	*St. Louis* [36]	The Brooklawn.
Helen Gilchrist, L. E.	*Cleveland* [3]	560 Franklin Av.
Gertrude Marie Gillin, L. E.	*Cleveland* [1]	91 Quincy St.
Blanche Edna Hager, L. E.	*Euclid* [19]	Nottingham.
Elizabeth Hardy Hall, Cl.	*New Haven, Ct.* [21]	75 Adelbert St.
Hilda Maud Hetzel, L. E.	*Miamisburg* [23]	75 Adelbert St.
Edith Mabel Hill, L. E.	*Cleveland* [4·65]	350 Russell Av.

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Vesta Maude Jackson, L. E.	*Garrettsville* [24]	2900 Superior St.
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Julia Clair Kelly, L. E.	*Cleveland* [3-5]	165 University St.
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Grace Amanda King, M. L.	*Butte, Mont.* [26]	26 Wellesley St., East Cleveland.
Carrie Louise Krauss, M. L.	*Cleveland* [1-4]	1997 Superior St.
Lillie Belle Krider, M. L.	*Cleveland* [1]	423 Bolton Av.
Florence Rose Lembeck, M. L.	*Cleveland* [1-12]	46 Streator Av.
Irma Linn, M. L.	*Cleveland* [3]	151 Courtland St.
Maud Eugenia Lyman, L. E.	*Chardon* [41]	Guilford House.
Jean Bailey McFall, L. E.	*Pittsburgh, Pa.* [27]	Guilford House.
Florence Worcester McLean, L. E.	*New Philadelphia* [28]	75 Adelbert St.
Pauline Angelette Miser, M. L.	*Mt. Vernon* [29]	Guilford House.
Margaret Isabel Morton, Cl.	*Mt. Vernon* [29]	Guilford House.
Mabel Adelle Morris, L. E.	*Cleveland* [3]	189 W. Madison Av.
Emma May Mumaw, L. E.	*Canton* [50]	134 Murray Hill Av.
Dorothy Carrie Neitzel, L. E.	*Bedford* [33]	Bedford.
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Gwendolyne Lloyd Thomas, Cl.	*Cleveland* [2]	5 Hinman St.
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Julia Benjamin Turner, L. E.	*Geneva* [47]	98 Murray Hill Av.
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Elizabeth White, L. E.	*Euclid* [19]	Euclid.
Lois Brockway Williams, Cl.	*Cleveland* [1]	127 Streator Av.
Maud Frances Wilson, M. L.	*Fremont* [49]	75 Adelbert St.
Mary Wittler, L. E.	*Miamisburg* [23]	75 Adelbert St.
Helen Maria Wright, Cl.	*Akron* [42]	Guilford House.
Jennie Young, L. E.	*Cleveland* [1]	22 Melrose Av.

FRESHMEN, 60.

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STUDENTS PURSUING PARTIAL COURSES.

Gertrude Pearl Badger, (4)	*Binghamton, N. Y.* [15]	Guilford House.
Edith Pansy Barret, (1)	*Cleveland* [68]	383 Norwood Av.
Isabella Beaton, (4)	*Cleveland* [14]	462 Kinsman St.
Edna Brush, (1)	*Cleveland* [69]	1003 Euclid Av.
Elsie Bailey Carrel, (1)	*Cleveland* [1]	467 Bolton Av.
Winifred Chapman, (2)	*Cleveland* [31]	445 Russell Av.
Myra Clark, (2)	*Cleveland* [1]	130 Melvin St.
Edith Condé, (1)	*East Cleveland* [70]	33 Wellesley St.
Edna Church Dailey, (2)	*Cleveland* [1]	281 Hough Av.
Edith Leona Eastman, (2)	*Glenville* [7]	161 Avondale Av.
Mary R. Freer, (2)	*Cleveland* [1]	1528 Cedar Av.
Bessie Ruth Gilchrist, (2)	*Cleveland* [8]	560 Franklin Av.
Clover Althea Hartz, (2)	*Cleveland* [1]	987 Case Av.
Mary Margaret Hay, (4)	*Creston* [73]	75 Adelbert St.
Helen Sterrett Henning, (1)	*Fargo, N. D.* [67]	Guilford House.
Pauline Waring Herrick, (1)	*East Cleveland* [18]	3006 Euclid Av.
Pearl Irene Horton, (4)	*Cleveland* [1]	100 Claremont St.
Florence Edith Jones, (3)	*Cleveland* [2]	1635 Harvard St.
Lulu Kaufman, (2)	*Cleveland* [1]	981 Case Av.
Maude Barber Kendall, (2)	*Cleveland* [1]	1306 Cedar Av.
Theresa Dorothy Luck, (3)	*Cleveland* [8]	829 Scranton Av.
Emma Bean McKim, (2)	*Cleveland* [1]	100 Oakdale St.
Wilamina Morrow, (2)	*Cleveland* [1]	223 East Prospect St.
Beatrice Moss, (3)	*Cleveland* [1]	39 Osborn St.
Zillah Genevieve Quayle, (2)	*Cleveland* [1]	290 Sibley St.
Clara Risdon, (2)	*Ravenna* [64]	Guilford House.
Catherine Dingwall Ross, (2)	*Cleveland* [1]	249 Streator Av.
Clara Adelaide Ruffini, (2)	*Cleveland* [1]	891 Scovill Av.
Mary Grace Shanklin. (2)	*Cleveland* [1]	261 Hough Av.
Grace Irene Smith, (2)	*Norwalk* [66]	Guilford House.
Olive Louise Spengler, (4)	*Cleveland* [1]	63 Fourth Av.
Rizpah Norwood Tarr, (1)	*Mt. Vernon* [29]	79 Sayles St.
Pearl West, (1)	*Cleveland* [1-72]	203 Amesbury Av.
Olive Gertrude Wills, (1)	*Lakewood* [8]	38 Clarence Av.

SPECIALS, 34.

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SUMMARY.

Seniors	39
Juniors	39
Sophomores	50
Freshmen	60
Specials	34
Total	222

1—Cleveland Central High School.
2—Cleveland South High School.
3—Cleveland West High School.
4—Cleveland East High School.
5—Cleveland Lincoln High School.
6—New Lyme Institute.
7—Glenville High School.
8—Willoughby High School.
9—Lake Erie College.
10—Buchtel Preparatory and College.
11—Salt Lake Academy, Utah.
12—Private Tuition.
13—Miss Mittleberger's School.
14—Iowa College.
15—Binghamton, N. Y., Central High School.
16—Harcourt Place Seminary.
17—Foxcroft Seminary, Maine.
18—East Cleveland High School.
19—Euclid High School.
20—Rayen School, Youngstown.
21—Hill House, Ct., High School.
22—Avon, N. Y., High School.
23—Miamisburg High School.
24—Garrettsville High School.
25—Findlay High School.
26—Butte High School, Montana.
27—Pittsburgh, Pa., Central High School.
28—New Philadelphia High School.
29—Mt. Vernon High School.
30—Painesville High School.
31—Sandusky High School.
32—Bedford High School.
33—Medina High School.
34—Miss Barclay's School, Allegheny, Pa.
35—Miss Buckingham's School, Canton.
36—St. Louis, Mo., High School.
37—Mrs. Knapp's School, Elizabeth, N. J.
38—Northfield Seminary, Mass.
39—University of Chicago.
40—Lisbon High School.
41—Chardon High School.
42—Akron High School.
43—Wyoming High School.
44—Ohio State University.
45—Oberlin College.
46—Collinwood High School.
47—Geneva High School.
48—Smith College.
49—Fremont High School.
50—Canton High School.
51—Farmington, Me., Normal School.
52—Cuyahoga Falls High School.
53—Warren High School.
54—University of Cincinnati.
55—Steele High School, Dayton.
56—Norwalk High School.
57—Salem High School.
58—University of Wooster.
59—Mechanicsburg High School.
60—Cortland High School.
61—St. Johnsbury, Vt., Academy.
62—Rochester, N. Y., High School and University.
63—Salt Lake College, Utah.
64—Ravenna High School.
65—Toledo High School.
66—Gilbert School, Winsted, Ct.
67—Fargo, N. Dakota, High School.
68—Wellesley College.
69—Hathaway-Brown School.
70—Rockford High School, Illinois.
71—Oberlin Academy.
72—Miss Andrews' School.
73—Shepardson College.
74—Elyria High School.
75—Western Reserve Academy.
76—Collinwood High School.

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REQUIREMENTS FOR ADMISSION.

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION.

Applicants for admission may be examined either during Commencement week or at the opening of the first term in September. Those who wish to be examined during Commencement week should notify the Registrar before June 10; those who wish to be examined in September, before September 10.

REQUIREMENTS COMMON TO ALL COURSES.

All candidates, irrespective of the course they may choose, must be prepared in English, Latin, and Mathematics, according to the outlines of those subjects given below.

ENGLISH: The examination consists of two parts. On the books marked *A* in the following lists, the student is required to write a paragraph or two on each of several topics chosen by her from a considerable number set before her on the examination paper. In every case the knowledge of the book will be considered of less importance than the ability to write English. On the books marked *B*, the student is required to answer questions relating to the author, subject matter, the essentials of English grammar, and the important facts in those periods of English literary history to which the prescribed books belong. She is also expected to express her knowledge with clearness and accuracy.

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Examinations in 1902: *A*. For Reading: Shakespeare's Merchant of Venice; Pope's Iliad, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B*. For Study: Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, Il Penseroso; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

Examinations in 1903 and 1904: *A*. For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B*. For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—six orations, including De Imperio Gn. Pompeii. Virgil—six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Loomis, Wells, or Wentworth's College), to the chapter on the Binomial Theorem. Geometry—(Wentworth or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

In addition to the above, students entering the several courses must be prepared in the following subjects: For the Classical Course, Greek; for the Modern Language Course, French or German; for the Latin-English Course, Chemistry, Physics, and History. The entrance requirements in these subjects are as follows:

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GREEK: Grammar; pronunciation as recommended on page vii of the Preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered an equivalent). Homer—three books of the Iliad, with Prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), or Jones's Exercises in Greek Prose (twenty-six exercises), is recommended. History of Greece—the amount required is indicated by Botsford's, Oman's or Myer's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: A thorough knowledge of grammatical forms and of syntax; accuracy in pronunciation; ability to understand simple spoken French; facility in rendering English into easy French; ease and accuracy in sight translation.

First year: Elementary grammar with exercises; the irregular verbs; Super's French Reader; Halévy's L'Abbé Constantin, and similar easy texts. *Second year:* Advanced grammar; syntax; reading of some 500 pages from modern authors—Sand, Mérimée, Labiche, Hugo, Sandeau, Daudet; composition based upon the texts (see such a series edited by Grandgent and Kimball, or François' Introductory French Prose Composition). *Third year:* Advanced syntax and review of grammar; composition and dictation; reading of about 800 pages of prose, poetry and drama from the works of Corneille, Molière, Racine, La Fontaine, Voltaire, Rousseau, Balzac, Musset, Coppée, De Maupassant, Daudet, Zola; practice in sight translation.

The following grammars are recommended: Grandgent, Whitney, Edgren, Chardenal, or a similar work. For suggestions of great value, regarding reading material, grading of courses, and methods of instruction, consult the "Report of the Committee of Twelve of the Modern Language Association of America." (D. C. Heath & Co.)

GERMAN: Grammar, with translation at sight of easy German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when spoken. In addition, familiarity with the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

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CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent. Class work (through one year). Laboratory.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Class-work through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative, such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY: English or General (through one year).

ADMISSION ON CERTIFICATE.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar, during Commencement week, or as soon thereafter as practicable.

When the above requirements have not been met exactly, the equivalents offered must be specified in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all of the requirements.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to the Sophomore, Junior and Senior classes, whether from other colleges or not, may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior class after the beginning of the second half-year.

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COURSES OF STUDY.

FRESHMAN YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

	Hours a week.		Total hours.
BIBLE, 1, 2	1	(throughout the year)	34
ENGLISH, 1 2	3	" " "	102
LATIN, 1, 2	3	" " "	102
MATHEMATICS, 1, 2	3	" " "	102

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

Classical Course	GREEK, 1, 2 AND GERMAN, 1, 2 or FRENCH, 1, 2		
Modern Language Course	GERMAN, 5, 6 FRENCH, 1, 2 or FRENCH, 3, 4 GERMAN, 1, 2	6 hours a week throughout the year.	204
Latin-English Course	PHYSICS, 1 A (first half-year).. HISTORY, 1 (second half-year). GERMAN, 1, 2 or FRENCH, 1, 2		

544

In addition to the above subjects all members of the Freshman class are required to attend lectures on Hygiene, one hour a week, first half-year. Systematic exercises in the gymnasium three times a week, throughout the year, are required of Freshmen and Sophomores.

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SOPHOMORE YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

	Hours a week.		Total hours.
BIBLE 3	1	(first half-year)	17

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

Classical and Modern Language Courses	HISTORY, 1	3	(first half-year)	51	510
	PHYSICS, 10	3	(first half-year)	51	
	ELECTIVES	9	(first half-year)	153	
		15	(second half-year)	255	
Latin-English Course	FRENCH, 1, 2 / GERMAN, 3, 4 / or / FRENCH, 3, 4 / GERMAN, 1, 2	6	(throughout the year)	204	
	PHILOSOPHY 1	3	(second half-year)	51	
	ELECTIVES	9	(first half-year)	153	
		6	(second half-year)	102	
					527

JUNIOR YEAR.

BIBLE 4, 5	1	(throughout the year)	34
ELECTIVES	15	" " "	510
			544

SENIOR YEAR.

ELECTIVES	15	(throughout the year)	510

Among their electives students are required to take at least one course in either Economics or Philosophy, and at least one course each in two of the three sciences, Biology, Chemistry, and Physics. **See also page 113.**

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SYNOPSIS OF STUDIES.

The following statements include all courses offered, whether prescribed or elective. Unless otherwise stated, each course consists of three weekly recitations of one hour each.

In making choice of elective courses students are expected to confer with the President, Registrar, and members of the Faculty for advice and assistance. Students must give the Registrar written notice of their choice of electives for the second half-year of 1901-1902, on or before January 18th, 1902; for first half-year, 1902-1903, on or before May 27th, 1902.

ANTHROPOLOGY.

PROFESSOR CURTIS.

ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

ART.

PROFESSOR FOWLER.

1. HISTORY OF ART. Ancient Art—Lectures and collateral reading. 1902-1903. Through the year.

2. HISTORY OF ART. Post-classical Art; from the beginning of Christian Art through the period of the Renaissance—Lectures and collateral reading. 1901-1902. Through the year.

ASTRONOMY.

PROFESSOR WHITMAN.

The course is mainly descriptive and is amply illustrated. The simpler problems of spherical astronomy are discussed. Some attention is given to the history of astronomy. Text-book, Young's General Astronomy. Second half-year.

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THE BIBLE.

PRESIDENT THWING, 1.
DR. HAYDN.
MR. HOWELL M. HAYDN, 2-10.

1, 2. THE LIFE OF CHRIST. One hour a week throughout the year.

3. THE ACTS OF THE APOSTLES. One hour a week, first half-year.

4, 5. STUDIES IN THE OLD TESTAMENT. One hour a week throughout the year.

6. STUDIES IN THE PAULINE EPISTLES. A critical course intended for those who can use the Greek Testament. Second half-year.

7. THE PAULINE EPISTLES. A course in the English Testament, aiming to exhibit the circumstances of writing, content, and permanent value of these epistles to the church. Second half-year.

8. THE GENERAL EPISTLES. A course similar to 7. First half-year.

9, 10. HEBREW GRAMMAR AND READING. An introductory course. Harper's "Elements of Hebrew" will be used, then the Old Testament text. Throughout the year.

The establishment of the Florence Harkness Foundation has enabled this department not only to become exceptionally well supplied with maps and books, but to offer each year to all the students a series of lectures by eminent persons from outside the University. In 1896-7, Dr. William H. Ward, of the Independent, delivered five lectures on the connection of Old Testament History with that of Egypt, Babylon and Syria. In 1897-8 Professor Charles P. Fagnani, of Union Theological Seminary, gave a course of five lectures on The Bible and its Interpretation, and Mr. Gerald Stanley Lee, of Northampton, Mass., five lectures on the Mind of Christ. In the Spring of 1899, Professor George Adam Smith, of Free Church College, Glasgow, Scotland, gave eight lectures on the Old Testament. In 1899-1900, Professor Richard G. Moulton, of the University of Chicago, delivered five lectures on The Literary Interpretation of the Bible.

In 1900-01 Professor Frank K. Saunders, Ph. D., D. D., of Yale University, gave a course of five lectures on "The Prophets of Israel and their Messages."

In Old Testament teaching the object is to trace the development of the idea of the kingdom of God, as wrought out in the history of the Hebrew people until the coming of Christ; to dwell upon the pivotal men and periods of the history; to take account of the several books, their significance and literary form—so to prepare the way for a more intelligent study of the Scriptures, in detail, in after life.

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BIOLOGY.

PROFESSOR HERRICK.
DR. GRIFFIN.

1. ELEMENTARY BIOLOGY. An introduction to the study of living things upon the basis of morphology, physiology, and development. One recitation, two laboratory exercises of two hours each. Second half-year.

2. ZOOLOGY—COMPARATIVE ANATOMY OF INVERTEBRATES. A study of the structure, development and relationship of certain types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3, 4. ZOOLOGY—COMPARATIVE ANATOMY OF VERTEBRATES. A laboratory course in the general anatomy of the principal types of vertebrates, including amphioxus, a cyclostome, cartilaginous and bony fish, an amphibian, reptile, bird and mammal. One recitation and two laboratory exercises, throughout the year.

6. ELEMENTS OF VERTEBRATE HISTOLOGY. The study of the tissues of the mammalian body. No student is admitted to this course who has not had preliminary training in general biology. One recitation, two laboratory exercises of two hours each. Second half-year.

7. ELEMENTS OF VERTEBRATE EMBRYOLOGY. A detailed study of the development of the bird, and general principles of the embryology of vertebrates. One recitation, two laboratory exercises of two hours each. Second half-year.

9. GENERAL PHYSIOLOGY. A course of reading, supplemented by experiments in the laboratory, in the general physiology of the cell; an examination of the facts and theories of life, and of the problems which it offers. For Seniors at discretion of instructor.

10. BOTANY—VEGETABLE MORPHOLOGY. An introduction to the study of plants on the basis of their physiology, morphology and general classification. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

11. BIOLOGICAL READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from November 1st to May 1st, at times most convenient to the members.

The Laboratory Fees for the different courses are: courses 1, 2, 6, 7, 10, $5.00; course 3-4, $5.00 for each term; course 9, $2.00.

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CHEMISTRY.

PROFESSOR MORLEY.
ASSOCIATE PROFESSOR GRUENER.
ASSISTANT PROFESSOR TOWER.

1. CHEMISTRY OF THE NON-METALLIC ELEMENTS. Wurtz's Elements of Chemistry. Two hours a week in recitation and one laboratory exercise of three hours. First half-year.

2. INORGANIC CHEMISTRY. A more advanced course in general chemistry, designed for students entering with a preparation in chemistry. Newth's Inorganic Chemistry. One recitation and two laboratory exercises each week. First half-year.

3. CHEMISTRY OF THE METALS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. Second half-year.

4. PHYSIOLOGICAL CHEMISTRY. This course will be popular in its nature, and will consist of lectures on the chemistry of the animal body, the chemistry of nutrition, and the chemistry of the ordinary food materials, including the influence of cooking on the chemical composition and on the nutritive value of foods. The laboratory exercises will include the preparation and some of the simpler methods of analysis of the compounds of most interest in physiological chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. Second half-year.

5. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken courses 1 and 3, or courses 2 and 3. Students choosing this course will take Chemistry 6 in the second half-year. First half-year.

6. Course 5 continued. Second half-year.

7. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Second half-year.

The Laboratory Fees for the different courses are: Courses 1, 3 or 4, $3.00; Course 2, $4.00; Courses 5 or 6, $5.00; Course 7, $6.00.

ECONOMICS.

ASSOCIATE PROFESSOR WALKER.

1. ELEMENTS OF ECONOMICS. Recitations, lectures and required readings. Text-book, Walker's Political Economy (Advanced Course). First half-year.

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2. VALUE AND DISTRIBUTION. Consideration of the institution of property in history and theory, systems of land tenure and the doctrine of rent, interest in theory and practice, methods of labor remuneration and theory of wages, monopolies, etc. Lectures, readings, recitations. Second half-year.

3. HISTORY OF ECONOMIC THEORY. The development of economic thought from the earliest times. Lectures and readings in selections from various writers. Text-book, Ingram's History of Political Economy. First half-year,

4. SOCIALISM. An historical and critical course in socialism, discussing the historical basis, the various schools and movements of the nineteenth century, and such efforts at social reform as cooperation. Lectures, required readings. Text-books, Ely's French and German Socialism, Schaeffle's Quintessence of Socialism. Second half-year.

5. COMPARATIVE POLITICS AND CONSTITUTIONAL LAW. An examination and comparison of the governmental systems of the United States, England, France and Germany. Lectures, readings and recitations. Text-book, Wilson: The State. Second half-year.

EDUCATION AND TEACHING.

See Philosophy and Psychology.

ENGLISH.

PROFESSOR HULME, 8-13, 16-19, 23.
ASSOCIATE PROFESSOR THORNDIKE, 1-7, 14, 15, 20-22.

COMPOSITION.

1, 2. PRINCIPLES OF ENGLISH COMPOSITION. Lectures, recitations, themes and conferences. Especial attention will be given to paragraph writing and the study of modern prose writers. Required throughout Freshman year.

3. DAILY THEMES (for a considerable portion of the time); frequent long themes, lectures, conferences. Open to all who have taken courses 1 and 2. First half-year.

4. CONTINUATION OF 3. In course of the year detailed attention will be given to exposition, criticism, description, narrative and argumentation. Second half-year.

5. THEMES. The work in this course will be adapted to the needs and tastes of the students electing it. Especial opportunity will be given for criticism by the members of the class. Open to those who have taken courses 3 and 4. First half-year.

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6. CONTINUATION OF 5. Under the direction of the instructor, each student will be required to plan and write a piece of composition of considerable length. This course may be elected two years in succession. Second half-year.

7. ARGUMENTATION. Two long forensics, preceded by briefs. The questions for these forensics will be so selected that each student may write on a subject connected with her college studies. Lectures, conferences, study of masterpieces of argumentation, briefs based on the latter, debates.

LANGUAGE.

8. A BEGINNER'S COURSE IN OLD ENGLISH. In this course special attention is given to the elements of Old English grammar, and to the reading of selections from Old English prose and poetry. The etymological relations of Old and Modern English. Text-books: Smith's Old English Grammar; Bright's Anglo-Saxon Reader. First half-year.

9. OLD ENGLISH EPIC POETRY. Beowulf is read and is made the basis of a detailed study of the mythology, and the religious and social life of the Anglo-Saxons. Advanced Old English Grammar. Parallel reading of other epic fragments in Old English. Text-books: Wyatt's Beowulf; the Cook-Sievers Old English Grammar. First half-year.

10. OLD AND MIDDLE ENGLISH. This course is intended to follow course 8. The Elene is read with the class. Lectures on Cynewulf and Old English poetical literature. The history of the English language, and readings from late Old English and early Middle English. Text-books: Kent's Elene; Emerson's History of the English Language; Morris and Skeat's Specimens of Early English, Part I. Second half-year.

11. OLD ENGLISH RELIGIOUS POETRY. A detailed study of the so-called Cædmonian poems, as well as of the poems of Cynewulf and his school. The class is required to read parts of Genesis, Exodus and Daniel, and two or more of the Cynewulfian poems. Second half-year.

LITERATURE.

12. CHAUCER. Select readings from the Canterbury Tales. Lectures on Chaucer's life and works, and on his contemporaries and immediate successors in English literature. Text-books: Skeat's edition of The Prologue, The Knight's Tale, and The Nonne Prestes Tale (Clarendon Press Series). Second half-year.

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13. NON-DRAMATIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. In this course the work will be confined mainly to a careful study of the poetry of Spenser and Milton. 1901-1902. First half-year.

14. SHAKESPEARE AND THE ELIZABETHAN DRAMA. This course is preparatory to a more extended study of Shakespeare and his contemporaries. A brief history of the Pre-Shakesperean drama in lectures. A study of three or four of Shakespeare's plays. First half-year.

15. SHAKESPEARE. Lectures on the development of Shakespeare's art and the later Elizabethan drama. The class is required to read all of Shakespeare's plays. Open to students who have had course 14 or its equivalent. 1901-1902. Second half-year.

16. CLASSICISM IN ENGLISH LITERATURE. A history of modern English literature from Milton to the beginning of the Romantic movement in the eighteenth century. The development of Classicism in English poetry of the seventeen and eighteenth centuries. The rise of the Essay. The origin and development of the Novel. Lectures, select readings and papers. This course is arranged specially for Sophomores who intend to elect English literature. First half-year.

17. THE ROMANTIC MOVEMENT OF THE EIGHTEENTH CENTURY. A history of English poetry from about 1760 to 1830. Select readings from the poetry of Burns, Wordsworth, Coleridge, Scott, Byron, Keats, Shelley and other contemporaries. Outline of the rise and growth of the Historical Novel. The rise of periodical literature and modern literary criticism. Lectures and papers. Second half-year.

18. ENGLISH LITERARY CRITICISM. The history of literary criticism. The class will study select essays of Dryden, Steele and Addison, Johnson, Coleridge, Lamb, Hazlitt, DeQuincey, Leigh Hunt, Carlyle, Mathew Arnold and others. Lectures and papers. Open to students who have had courses 16 and 17 or their equivalents. First half-year.

19. THE ENGLISH NOVEL. The history of the rise and growth of the English Novel from its beginning to the nineteenth century. Lectures, select readings and papers. Text-book: Cross' Development of the English Novel. 1901-1902. Second half-year.

20. ENGLISH POETRY FROM 1830 TO 1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, and other poets of the period. A large amount of reading and frequent papers are required on topics suggested by the course. Open to Juniors and Seniors. 1902-1903. First half-year.

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21. ENGLISH PROSE FROM 1830 TO 1880. Carlyle, Ruskin, Matthew Arnold, Newman, Thackeray, George Eliot, and other prose writers of the period. The course is a continuation of 20, but the two may be elected separately. Open to Seniors and Juniors. 1902-1903. Second half-year.

22. THE DEVELOPMENT OF ENGLISH PROSE. Ascham, Lyly, Sidney, Bacon, Taylor, Dryden, Temple and other prose writers from Tyndale to Addison. First half-year.

23. AMERICAN LITERATURE. The historical development of English literature in America from its beginning to the present day. Lectures, papers and extensive readings from the principal writers. Open to Juniors and Seniors. Second half-year.

FRENCH.

See Romance Languages.

GEOLOGY AND MINERALOGY.

PROFESSOR CUSHING.

1. MINERALOGY. Crystallography, and Descriptive Mineralogy. Two hours of recitation and lectures, and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Determinative Mineralogy and Blow-pipe Analysis. Three laboratory exercises of three hours each. Physical Crystallography may be substituted for the Blow-pipe work. Second half-year.

3. GEOLOGY. Dynamical and Structural Geology. Three hours a week. First half-year.

4. GEOLOGY. Historical Geology. Lectures and field work in vicinity of Cleveland. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. Second half-year.

A Laboratory fee of $1.00 is charged for courses 1, 2 or 4.

GERMAN.

PROFESSOR DEERING.

DR. MEYER 5b.

DR. FIFE, 1, 3, 5a.

1, 2. GERMAN GRAMMAR AND READER. Easy modern texts. In this and the following courses German is spoken as much as possible in the class-room, but such conversation is regarded as a means, not as an end. Throughout the year.

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3, 4. GRAMMAR CONTINUED—PROSE COMPOSITION. Recent German prose and the simpler plays of Lessing, Goethe, or Schiller. In 1902-1903 the first text will be Bernhardt's Auf der Sonnenseite. Throughout the year.

5, 6. ADVANCED GRAMMAR—PROSE COMPOSITION. Rapid reading of representative modern authors and, in the second half-year of classic German, with especial attention to Schiller. Practice in reading at sight. The first text for 1902-1903 will be Freytag's Die Journalisten. Throughout the year.

7. GOETHE. His life and works and times, with selected readings from his lyrics, prose and dramas. An outline of the development of German literature during the classical period will be studied. First half-year.

8. NINETEENTH CENTURY AUTHORS. Outline history of German literature since Goethe's death, with especial reference to its prose development. Readings from the best modern novelists, essayists, historians and dramatists. Practice in writing German. Second half-year.

9. FAUST. Lectures on the development of the Faust legend, with parallel reading of the most important Faust literature; Goethe's Faust. First half-year.

10. LESSING AND THE CLASSIC GERMAN DRAMA. Early eighteenth century drama, Lessing's reforms and influence (lectures); all his important dramas and best critical works, with illustrative parallel reading. First half-year.

12, 15. MIDDLE HIGH GERMAN. Paul's Mittelhochdeutsche Grammatik; Selections from the Nibelungenlied, from Hartmann, Walther, and Wolfram. Throughout the year.

14. HEINE. Lectures on the life and times of Heine, with readings from his most important works. Especial attention will be given to his contemporaries, as well as to the social and political aspects of the time. Second half-year.

16. ADVANCED COMPOSITION. Studies in German style. Original German essays on subjects assigned. Lectures on the history of the German lauguage. Recommended to those who intend teaching German.

17. CONTEMPORARY GERMAN LITERATURE. The new spirit of German literature. Sudermann, Hauptmann, Liliencron, Fontane.

18. OLD GERMANIC MYTHS AND LEGENDS. Outline of Germanic Mythology. Study of the most important mediæval saga cycles. Lectures and papers.

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Courses 9-18 are open only to students who have taken courses 7 and 8, or their equivalent. Not more than two of these courses will be given in any half-year.

GREEK.

PROFESSOR FOWLER.
PROFESSOR FULLER.

1. HOMER. The Odyssey. Two books will be read consecutively and the remainder studied in representative selection and in English translation, with a view to a literary acquaintance with the entire poem. Considerable attention will be given to developing facility in translating at sight. First half-year.

2. ATTIC ORATORS. Selections from Lysias, Isocrates and Demosthenes. Greek Rhetoric. Lives of Attic Orators. Legislative Bodies and Law Practice in Athens. History of Greece from the beginning of the Peloponnesian war to the death of Philip. Greek Prose Composition. Second half-year.

Only two of the following elective courses will be given in any half-year.

3. THE DRAMA. Two tragedies; Metres and Theory of Music; Lectures on the Archæology of the Drama (Actors, Costumes, Buildings, etc.) First half-year.

4. Plato's Apology, Crito, and selections from other works. Second half-year.

5. PHILOSOPHY. Seminary work in the Fragments of the Early Philosophers (Diogenes Laertius, de Vitis, Dogmatibus et Apophthegmatibus Philosophorum; Ritter et Preller, Fragmenta Philosophiæ Græcæ), and selections from Plato and Aristotle. First half-year.

6. HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, and other sources of Greek history. Second half-year.

7. ORATORY. Comparative study of speeches of Attic Orators. The speeches in Thucydides, etc. First half-year.

8. Aristophanes' Frogs and selected Dialogues of Lucian. History of Greek Literature illustrated by selections from authors not hitherto studied in class. Second half-year.

9. DRAMA. The development of Attic Drama as exhibited in the extant plays and fragments. First half-year.

10. GREEK PROSE COMPOSITION. An advanced course, the special features of which will be determined by the acquirements and needs of the class. Second half-year.

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11. GREEK LYRIC POETRY. Elegiac, Iambic, Melic, Choric, and selections from the Anthology. First half-year.

12. IDYLLIC AND CHORIC POETRY. Selections from Theocritus and Pindar. Second half-year.

HISTORICAL BIBLIOGRAPHY.

MR. SEVERANCE.

1. HISTORICAL AND GENERAL BIBLIOGRAPHY. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work. 1901-1902. Second half-year.

2. THE SOURCES AND LITERATURE OF MEDIÆVAL HISTORY. This course will describe the original material at the command of the historian of the Middle Ages, and show what use has been made of this source material by modern writers. The course is designed for students interested in historical study or library work.

HISTORY.

PROFESSOR BOURNE.
MR. SEVERANCE, 13, 14, 15.
DR. HUNT, 5, 6.

1. HISTORY OF THE MIDDLE AGES. The migrations, the development of the church as an institution, the mediæval empire, feudal society. First half-year.

2. HISTORY OF EUROPE, 1400-1763. The Renaissance, the Reformation, development of modern states. Second half-year.

Courses 1 and 2 are introductory to the more special courses which follow. They include some training in the elementary study of topics from original documents, contemporary narratives, etc., and the cultivation of an interest in historical literature.

3. HISTORY OF ENGLAND, from the German migrations to the death of Elizabeth. The development of English institutions, and the rise of England to the position of a great state. First half-year.

4. HISTORY OF ENGLAND, from the accession of the Stuarts to the present day; the development of a Parliamentary democracy, and the building of the British empire. Second half-year.

5. AMERICAN COLONIAL HISTORY, to the end of the Revolutionary War. The discovery and settlement of North America, the political

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growth of the colonies, and their development towards independence and union. First half-year.

6. HISTORY OF THE UNITED STATES, from 1783 to the close of the Reconstruction period. The consolidation of institutions, the growth of national life, expansion westward, the slavery question, etc. Second half-year.

7. FRENCH REVOLUTION, 1789-1795, with introductory studies of the Old Régime. First half-year.

8. REORGANIZATION OF EUROPE, in consequence of the Revolution, 1795-1851, including a study of the French empire, the Restoration, with the reorganization of Germany, and the revolutions of 1830 and 1848. Second half-year.

9. MODERN EUROPE AND THE GREAT POWERS. 1851-1900. The growth of the present political system since the failure of the Revolution of 1848, the reconstruction of Germany, the union of Italy, the Eastern Question. First half-year.

10. HISTORY OF DISCOVERY AND COLONIZATION, including the progress of geographical knowledge, and with special reference to enterprises of European nations outside the limits of the United States since the beginning of the sixteenth century. Second half-year.

In courses 3-10 the work will include wide reading from the literature of the subject, as well as the study of official records and of contemporary writers.

11. EPOCHS OF HISTORY. The object is the more careful study of a particular epoch, from the sources and from other writers; for example, England under the Tudors or the Stuarts, Mediæval France, the beginnings of the Bourbon monarchy, the Lutheran Reformation. Annual. First half-year.

12. HISTORY AND HISTORICAL RESEARCH. This includes a sketch of the development of the scope of history as a literature, a study of the masters of historical writing, a study of the elements of historical criticism, and practical work in investigation. Second half-year.

Course 11 is open each year to Seniors who have had, in addition to 1, two other courses selected from 2 to 10. Course 12 is open to Seniors who have had 11 or 15.

13. LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from Mediæval Manuscripts. 1902-1903. First half-year.

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14. THE BELIEFS AND SUPERSTITIONS OF THE MIDDLE AGES. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc. will also be touched on. 1901-1902. First half-year.

15. SPECIAL TOPICS IN MEDIÆVAL HISTORY. This course will be conducted according to the principles of the Seminary Method, and aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1902-3 will be either the "Vita Heinrici IV. Imperatoris," or "The Crusades."

For the courses in Bibliography, see Historical Bibliography.

The lectureship in History was founded by the Daughters of the American Revolution, and was filled in 1900 by the late Professor Moses Coit Tyler, of Cornell University, and in 1901 by Mr. Thomas Wentworth Higginson, LL. D.

HYGIENE.

DR. CHAPMAN.

1. The instruction consists of weekly lectures illustrated with charts, manikin and skeleton. These lectures embrace the fundamental principles that underlie the promotion of health; the structure and functions of all the organs of the body; the proper exercise and rest of the muscles; the conversion of food into tissues; the importance of always keeping the body supplied with pure blood; ventilation, food and clothing. Special attention is given to the nervous system, including the care of the eyes First half-year.

LATIN.

PROFESSOR PERKINS.

PROFESSOR PLATNER, 8, 19.

1. Livy, Books XXI, XXII; translation at sight and at hearing; the writing of Latin. Collateral reading in Roman History. First half-year.

2. Cicero de Senectute; Plautus (one play); Horace, Satires. Translation at sight and at hearing; the writing of Latin. Second half-year.

Only four of the following elective courses will be given in any half-year.

3. ODES AND EPODES OF HORACE. First half-year.

4. CICERO'S LETTERS. First half-year.

5. LETTERS OF PLINY THE YOUNGER. First half-year.

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6. TACITUS AND SUETONIUS. Tacitus, Agricola; Annales (Books 1-2, entire; Books 3 and 4, selections). Suetonius, selections. First half-year.

7. HISTORY OF LATIN LITERATURE (Poetry). Lectures, with reading of typical selections, and direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. First half-year.

8. LUCRETIUS. First half-year.

9. CATULLUS. Selections from Tibullus, Propertius and Ovid's Tristia. Second half-year.

10. THE EPISTLES OF HORACE. The Ars Poetica. Wilkins' Primer of Roman Literature. Second half-year.

11. ROMAN COMEDY. Terence and Plautus. Second half-year.

12. JUVENAL AND MARTIAL. Second half-year.

13. LATIN RHETORIC. Quintilian, Book x; Cicero, De Oratore, Selections. Second half-year.

14. ROMAN ORATORY. Tacitus, Dialogus de Oratoribus, with selections from Cicero. Second half-year.

15. TEACHERS' TRAINING COURSE. This course is recommended only for students who have had two years of elective work in Latin. The aim of the course is to give prospective teachers assurance in their work. The course includes lectures on problems connected with the teaching of Latin in secondary schools; practical exercises in the study of the Grammar and the authors read in secondary schools. Second half-year.

16. Selections from Cicero, de Officiis, and the Tusculan Disputations. Second half-year.

17. SENECA. Selections from (*a*) Prose writings. (*b*) Tragedies. Second half-year.

18. HISTORY OF LATIN LITERATURE. (Prose). Lectures, with direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. Second half-year.

19. LATIN OF THE SILVER AGE. 1901-1902. Second half-year.

MATHEMATICS.

PROFESSOR PALMIÉ.

MR. DICKERMAN, I, b.

1. TRIGONOMETRY. Jones' Drill Book in Trigonometry. First half-year.

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2. ALGEBRA. Hall and Knight's. Second half-year.

3. PLANE AND SOLID GEOMETRY. Exercises to be solved by the students; Chauvenet's Elementary Geometry. Second half-year.

5. ANALYTICAL GEOMETRY. Tanner and Allen's Analytical Geometry. First half-year.

6. DIFFERENTIAL CALCULUS. McMahon and Snyder's Differential Calculus. Second half-year.

7. INTEGRAL CALCULUS. Murray's Integral Calculus. First half-year.

8. DIFFERENTIAL CALCULUS (advanced course). Harnack's Introduction to the Calculus.

9. ANALYTICAL GEOMETRY (advanced course). Salmon's Conic Sections. First half-year.

10. THEORY OF FUNCTIONS, of a complex variable. Introductory course.

11. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. First half-year.

12. PROJECTIVE GEOMETRY. Second half-year.

13. THEORY OF SUBSTITUTION GROUPS, and its application to algebraic equations.

14. THEORY OF NUMBERS. Elementary course.

Only three elective courses will be offered in any half-year.

MUSIC.

MR. CLEMENS.

1. HISTORY OF MUSIC. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical development and relations of the different periods may be more clearly understood. First half-year.

2. A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and Bach. Substantially the same methods will be followed as in the work of the first half-year.

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Those desiring to elect the course iu the second term only must possess an adequate knowledge of this subject.

3. HARMONY AND COUNTERPOINT. The details of this course will be announced later. Second half-year.

PHILOSOPHY AND PSYCHOLOGY.

PROFESSOR AIKINS.

1. LOGIC. The principles of logic, with practice in definition and the analysis of arguments. Required of Latin-English Sophomores, elective for others. Three hours a week, second half-year.

2. ELEMENTARY PSYCHOLOGY. An outline of the subject, mainly from the physiological standpoint. This course is introductory to all the other work in the department, except Logic. It is open to Sophomores. First half-year.

3. ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

4. INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion, what knowledge is and what we can hope to know, idealism, realism and scepticism; the relation of knowledge to faith. Second half-year.

5. HISTORY OF PHILOSOPHY. The course can be made to cover a period or confined to the work of some single philosopher, according to the preparation and interests of the students who elect it. First half-year.

6. HISTORY OF MORALS. The moral ideals and practices of human beings in various stages of development. The origin of some of our present problems of right and wrong. Open only to those who have taken Ethics. First half-year.

7. ADVANCED COURSE in Philosophy. A critical study of some one or two philosophers or of some group of philosophical problems. Second half-year.

8. PSYCHOLOGY IN EDUCATION. The course is intended to cover as much as possible of the following ground. Animals: their instincts, habits, intelligence and training. Children: aims and methods of child-study, practice in psychological observation, growth of mind and body and physical basis of precocity and dullness, contents of children's minds, their reasoning and their ideas of good and

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bad. Rhythm, fatigue, and other general relations of mind and body. Individual differences: the mental life and education of the blind, the deaf, and other defectives. The aims of education: the acquisition of specific habits and the alleged training of general faculties, such as memory, imagination, observation, judgment, attention and will; diseases of various faculties; the meaning of culture, character, power and personality. The noticeable effects of education. Special educational means and their psychological basis: interest, imitation, sympathy, suggestion (hypnotism), apperception and correlation, manual training. Second half-year, alternating with 9.

9. PRINCIPLES AND HISTORY OF EDUCATION. The course is based on an historical study of educational theories and practice, especially since the Renaissance. It includes extensive readings from the great writers on education and the discussion of some of the current problems and controversies concerning aims and methods. Second half-year, alternating with 8.

PHYSICS.

PROFESSOR WHITMAN.
DR. REICHMANN.

1A. General contents and text-book as in course 1. For Freshmen entering the Latin-English course. The work is arranged to utilize as fully as possible the preparatory course in Physics. First half-year.

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. LIGHT, ELECTRICITY AND MAGNETISM. Continuation of course 1. Second half-year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Second half-year. Alternating with 9.

5. ELECTRICITY AND MAGNETISM. A review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of course 5. Second half-year.

9. MECHANICS. The Elements of Applied Mechanics. Text-book: Wright's Elements of Mechanics. Second half-year. Alternating with 4.

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10. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to Hastings and Beach. General Physics and a few exercises in the laboratory. Required of Classical and Modern Language Sophomores. First half-year.

11. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary laboratory arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

12. PHYSICAL EXPERIMENT. Special topics in Physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

Courses 11 and 12 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

The weekly exercises under course 12 may be combined with course 11 to count for one three-hour course.

The laboratory fee for course 10 is $2.00; for each of the other courses, $4 00.

ROMANCE LANGUAGES.

FRENCH.

DR. OLIVER.

MISS HENDERSON.

1, 2. BEGINNERS' COURSE. Grammar, easy reading, composition, conversation. Throughout the year.

3, 4. ADVANCED COURSE. Rapid reading of modern prose, poetry and drama. Syntax and composition. Reports on outside reading. Throughout the year.

Courses 1, 2, 3, 4 or their equivalent must precede all others.

Of the following courses not more than two will be given in any half-year:

5. THE CLASSIC DRAMA. Lectures on the rise and development of French Drama. Interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year.

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6. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The Decadence of Classic Drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Reading of Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year.

7. MOLIÈRE. Lectures on the life and times of Molière. Interpretation of the greater comedies. 1901-1902. Second half-year.

8. FRENCH LYRIC AND DIDACTIC POETRY. Boileau, La Fontaine, Chénier, Victor Hugo, de Musset, Lamartine. Collateral reading. Essays.

9, 10. MODERN NOVELISTS. Lectures and recitations. The Romantic School. First half-year. The Realistic School. Second half-year.

11. SEVENTEENTH CENTURY PROSE CLASSICS. Lectures on French culture, society and prose literature of the seventeenth century. The great preachers and moralists. Jansenism and Port Royal. The French Academy and the Salons. Memoirs and Letter-Writers. Readings from Descartes, Pascal, La Rochefoucauld, La Bruyère, Bossuet, Bourdalone, Mme. de Sévigné, Mme. de La Fayette, Fénelon, Saint-Simon. Themes and collateral reading. 1901-1902. First half-year.

12. EIGHTEENTH CENTURY PROSE CLASSICS. Lectures on the society and culture of the eighteenth century. Break-up of the classic ideals. Growth of the revolutionary spirit. First movements toward romanticism. Voltaire and the Encyclopedists. Rousseau, Diderot, Montesquieu, Le Sage, Bernardin de Saint Pierre. Themes and collateral reading. 1901-1902. Second half-year.

13. THE SIXTEENTH CENTURY. The Reformation and the Renaissance. Rabelais, Calvin, Marot, Ronsard and the Pleiade, Montaigne. Readings from Darmsteter and Hatzfeld's Le Seizième Siècle en France. Study of the language and syntax of the period. Themes and collateral reading. First half-year.

14. HISTORY OF OLD FRENCH LITERATURE, with representative readings from Bartsch's Chrestomathie, La Chanson de Roland, and Christian of Troyes. The Mediæval Drama. Second half-year.

15. FRENCH HISTORICAL GRAMMAR. Phonetics, Morphology, Syntax. Illustrative reading from old French texts. First half-year.

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16. COMPARATIVE HISTORICAL GRAMMAR of the Romance Languages, with especial emphasis of Old French and Provençal. Illustrative readings. Second half-year.

ITALIAN.

DR. OLIVER.

1, 2. GRANDGENT'S ITALIAN GRAMMAR. Reading of modern Italian. Composition. 1902-1903. Throughout the year.

SPANISH.

ASSOCIATE PROFESSOR BOURLAND.

1 ELEMENTARY COURSE. Edgren's Grammar and Matzke's Reader, with practice in speaking and writing Spanish. 1901-1902. First half-year.

2. READING of modern texts with practice in conversation and composition. 1901-1902. Second half-year.

SOCIOLOGY.

PROFESSOR CURTIS.

PHILOSOPHY OF SOCIETY. Open only to Seniors who have taken courses in Philosophy, Ethics and Economics. Lectures will be given by the instructor throughout the term and special work will be assigned to each student for report and discussion. Second half-year.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the Saturday after the last Thursday in January. The second half-year begins on the Monday after the last Thursday in January, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the tenth day of June (or after the ninth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the day of prayer for colleges, religious exercises are held in the chapel. The exercises of the first half-year begin with prayers in the chapel at ten o'clock.

DEFICIENT WORK.

1. All entrance conditions must be removed before a student is allowed to begin the work of Sophomore year.

2. A student who fails in the work of an elective course must remove this deficiency, or complete another course as extra work.

3. All conditions incurred at examinations must be removed at the next examinations held for the same courses; except that all conditions incurred and all work omitted in Freshman year must be made up before a student is allowed to begin the work of Junior year; and that all conditions incurred, and all work omitted in Sophomore year must be made up before a student is allowed to begin the work of Senior year; and that all other conditious, and all other omitted work, must be made up before a student is allowed to begin the work of the second term of Senior year.

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GRADUATION AND DEGREES.

No student will be allowed to graduate unless she has taken at least one course in either Economics or Philosophy and Psychology and at least one course each in two of the three sciences, Biology, Chemistry and Physics. Students should consult the instructors in the departments concerned as to the best time at which to take these courses.

Juniors and Seniors may diminish the number of their recitations, though not the total amount of their work, three hours a week, by arranging to do extra work in one or more courses.

The degree of BACHELOR OF ARTS is conferred on students who have completed the Classical course which includes the study of the Greek language and literature; the degree of BACHELOR OF LETTERS on those who have completed the Modern Language course, in which Modern Languages are substituted for Greek; and the degree of BACHELOR OF PHILOSOPHY on those who have completed the Latin-English course, which differs from the Modern Language course in that an entrance requirement of science and history is substituted for French or German.

LIBRARIES.

Hatch Library on the Adelbert College campus, five minutes' walk from the College for Women, is open on equal terms to all members of the University. It is furnished with well lighted reading rooms, contains about forty-five thousand bound volumes and ten thousand pamphlets, and is especially rich in German, French, historical and philosophical literature. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant addi-

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tions. Students have access to all the books on the shelves. The library is open every day from eight to half-past five o'clock.

For the special convenience of students in the College for Women there is in Clark Hall itself a carefully selected and growing library containing encyclopædias and other books of reference, magazines, duplicates of books in common use, and a considerable number of other works.

A special library in Biblical literature is placed in The Florence Harkness Memorial Chapel. This collection is being constantly enlarged by means of funds from the Florence Harkness Foundation.

In addition to these, students may freely use the principal libraries of Cleveland. The Free Public Library contains 150,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art, and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collections readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

LABORATORIES AND MUSEUMS.

Biology. The laboratory is designed, first, for the study of the biological sciences, especially zoology and botany; second, for containing a biological museum, in the sense of a reference or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and third, for the

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maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestrial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

The building is of stone in Gothic design, and consists of three stories ninety-three by sixty-three feet, and two small wings, one of which contains the machinery used in heating. The first story contains suitable rooms for anatomy, botany and vivaria. The main elementary laboratory has an exposure of sixty feet on the north and twenty-seven feet on the east and west sides. It is lighted by eighteen windows and is designed for the conduct of large classes in elementary biology. In the same story are the offices of instructors, special laboratory rooms for zoology and embryology, coat, cloak and toilet rooms, and preparation and supply rooms for the main laboratories. The third story is divided into a large lecture room, a reference library and reading room, a photographic laboratory, and a series of museum and preparation rooms.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by herself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The library is good and constantly being increased. The vicinity of Cleveland is interesting

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geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for special investigation.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This valuable addition to the scientific apparatus of the University is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

GYMNASIUM.

The Gymnasium in Clark Hall is well equipped with all the necessary apparatus, and is under the direction of a graduate of Dr. Sargent's School of Physical Training. Upon entering college each student is examined by the College Physician and the Director of the gymnasium, and information obtained concerning habits and general health. From this data and the measurements made by the Director, exercise is prescribed to meet the special need of each individual. Exercise in the gymnasium is required three hours a week of Freshmen and Sophomores, and is under the personal supervision of the Director. Students are advised to consult the Director before procuring their gymnasium suits. When the weather permits, work in the gymnasium

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is replaced by tennis, basket ball, golf, and other games out of doors. Special instruction is given to those who wish it in fencing and track athletics. Wade Park pond furnishes the students with facilities for rowing and skating.

Two prizes annually, one of fifteen, and the other of ten dollars, are awarded by the President to the students who, through their gymnastic work, make the greatest progress toward symmetrical development.

GUILFORD HOUSE.

Guilford House offers a good home for forty students. It is warmed by hot water, well lighted, and thoroughly ventilated. The rooms are large and fully furnished. The linen for beds and tables is provided, but each student pays fifty cents a month to meet the cost of its laundrying. The charge for other laundry work is fifty cents a dozen. The table is excellent and well served, and the aim of the housekeeping is to make the surroundings as homelike as possible.

The rooms in Guilford House are arranged, for the most part, in suites consisting of a study and two sleeping rooms. The price of board and lodging for each of two students in such a suite is $250 for the college year. This rooming arrangement is earnestly recommended in preference to any other. There are, however, four choice, large single rooms, the price of which is also $250; five smaller rooms for $225 each, and one for $200. There is also one especially desirable suite for two students paying $275 apiece. Any student entering within the first five weeks will be charged from the beginning of the year. If an applicant has had a special room retained for her, and if she fail to occupy it, she will be charged for one-half of a term. Claims for deductions arising from necessary withdrawal are to be adjusted with the Officers. The date of withdrawal of a student is reckoned from the time when the President is informed of the fact by the parent or guardian. It is re-

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quested that students make separate payments for their tuition and board. Checks for board should be made payable to Guilford House. One-half the amount is due at the beginning of each term.

HAYDN HALL.

Haydn Hall offers a home for twenty-two students and also supplies rooms for the various needs of the student body. The basement contains a bicycle room and a well-equipped kitchen. The first floor is devoted especially to students who reside at their homes in Cleveland. It contains a study room, a lunch room, and a central hall. For social occasions these may be used as one large room. On the second floor are rooms for the use of the four college classes and the alumnae. The remainder of the second and the whole of the third floor are divided into living rooms for students. The occupants of these rooms may board at Guilford House.

The price for a single room in Haydn Hall and board at Guilford House is $250 for the college year, and the terms of payment are the same as at Guilford House. Arrangements have also been made to provide for a few students who desire to live as economically as possible.

The life in both Guilford House and Haydn Hall is founded upon the desire to give to each student such supervision as earnest and able young women absent from home should receive, and yet to subject no one to unnecessary or annoying restraint. Certain members of the Faculty reside in each building. Their endeavor and the endeavor of all the officers—the Housemistress, the Faculty, the Advisory Council—is to make a home in every way suitable for college women.

THE FLORENCE HARKNESS MEMORIAL.

The Florence Harkness Memorial Chapel is a beautiful Early English Gothic structure in stone and quartered oak.

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Its character is further indicated by the fact that the windows are from The Tiffany Company and the organ from The Austin Company. The chapel seats about six hundred. Under the same roof are a large lecture room, a library and study for the Biblical work of the college. The endowment of this bears the same name as the chapel

The religious life of the college, the chapel service, the Young Women's Christian Association and Missionary societies as well as the Biblical instruction therefore centre in this building, which it is believed is as complete as possible and one of the best for its purpose in the land.

RELIGIOUS WORSHIP.

The principles and influences of the College are distinctively Christian, but the College has no formal connection with any particular denomination. A short service is held each morning in the Chapel at a quarter past nine o'clock. All students are expected to be present at this service and on Sunday to attend the services at the churches of their choice. It is desired that as far as possible each student should enter into the life of her church. Sunday Vesper Services are held in the Florence Harkness Memorial Chapel during a part of the college year. The students carry on a Young Women's Christian Association, the aims of which are to maintain in the College a healthy, progressive Christian spirit and to keep the students in touch with the religious and charitable work of the world.

STUDENT ORGANIZATIONS.

The students publish a monthly journal called *The College Folio.* This periodical gives them an opportunity, not merely to record or comment upon the events of the College life, but also to give expression to their literary interests. The College Annual, "Varia Historia" is published by the Junior class.

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The student organizations include a Young Women's Christian Association, a Glee Club, a Mandolin Club, a Dramatic Association, an Athletic Association, and several literary and scientific societies.

The conduct of the student body as a whole is largely entrusted to the Student's Association.

CORRESPONDENCE.

Letters respecting the admission or dismission of students, requests for catalogues or general information should be addressed to the President of the University or to the Registrar of the College for Women.

Communications in reference to board and rooms at Guilford House should be sent to Miss Elizabeth Annin.

EXPENSES AND BENEFICIARY AID.

The charge for tuition and incidentals tor each student is $85 per year. In addition to this each student pays a matriculation fee of $5 on entering College. All checks should be made payable to the Treasurer. No charge is made for diplomas. One-half of the charge for tuition is to be paid at the beginning of each half-year; no part will be refunded if the student retain her place in class. In laboratory courses fees are charged to meet the cost of perishable material. The amount in each case is indicated with the description of the courses.

There are certain annual scholarships which are awarded to students of high rank and slender means, by which they are relieved of a portion of the tuition fee of the College. Conference either in person or by letter with the President is invited.

Scholarships are granted annually upon each application, but may be withdrawn for cause at the end of one half-year. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, is in the hands of the executive committee,

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who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

From the Loan Fund certain grants are made to worthy students. The Alumnae Association has also established a Loan Fund to be used for similar purposes. Students receiving these benefits are expected to maintain their standing in scholarship and to finish their course here. If dismissal to another college is sought, the College dues, including the amounts given or loaned, must first be paid.

The opportunities offered by the College for the higher education of young women of limited means are presented to the attention of those who desire to promote such work by the establishment of scholarships for worthy students. Such foundations may be made to have an annual value of from $25 to $335.

THE HOLDEN PRIZE.

Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior or Junior on some subject selected by the Department of Rhetoric. Essays in competition for this prize must be submitted not later than May 15, 1902.

PUBLICATION FUND.

The Francis G. Butler Publication Fund has been established, the income of which is to be devoted to the publication of original researches in the field of American history by professors or students of this College as well as Adelbert College and the Graduate School.

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DEPARTMENT OF GRADUATE INSTRUCTION.

GENERAL STATEMENT.

THE privileges of the Graduate Department are open, without distinction of sex, to graduates of this and other universities and colleges of good standing who present satisfactory evidence of character and scholarship. In exceptional cases, by special permission, other persons of suitable age and attainments may also be received as students.

The work of the department is under the general supervision of an Executive Committee, consisting, this year, of Professors R. W. Deering (Dean), H. N. Fowler, and F. P. Whitman. Persons desiring to do graduate work are invited to confer or correspond with any member of this committee.

Applications for admission as graduate students may be received at any time, but should be presented, if possible, at least a month before the beginning of the academic year. This is advisable because books and apparatus for special work must often be imported from Europe. All such applications should be made to the Dean of the Graduate Faculty, and should be accompanied, except in the case of graduates of this university, by diplomas or such other official certificates as will satisfy the Executive Committee as to the student's character and attainments. Applicants admitted as students must then register with the Dean and file statements of the courses of study they intend to pursue, indicating also the degrees, if any, for which they wish to be candidates. Eligible students who do not wish to apply for higher degrees may be admitted and registered as resident graduates.

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FACULTY AND INSTRUCTORS.

Arranged, with the exception of the President and Dean, in the order of College graduation.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

ROBERT WALLER DEERING, PH. D., *Dean*, 41 Cornell St.
Professor of Germanic Languages and Literature.

LEMUEL STOUGHTON POTWIN, A. M., D. D., 322 Rosedale Av.
Professor of the English Language and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., 2238 Euclid Av.
Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Professor of Physics and Astronomy.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Professor of Latin.

CHARLES HARRIS, Ph. D., (Absent for the year).
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Professor of Philosophy.

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.
Professor of Greek.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.
Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

HENRY ELDRIDGE BOURNE, A. B., B. D., (Absent for the year).
Professor of History.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek.

HERBERT AUSTIN AIKINS, PH. D., 40 Cornell St.
Professor of Philosophy.

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JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.
Professor of History.

ANNA HELENE PALMIÉ, PH. B., 34 Sayles St.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

BENJAMIN PARSONS BOURLAND, PH. D., 12 Adelbert Hall.
Associate Professor of Romance Languages.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

FRANCIS WALKER, PH. D., 46 Nantucket St.
Associate Professor of Political and Social Science.

OLIN FREEMAN TOWER, PH. D., Euclid Av. and Nantucket St.
Assistant Professor of Chemistry.

ASHLEY HORACE THORNDIKE, PH. D., 95 Mayfield St.
Associate Professor of English.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in Historical Bibliography.

JOHN DICKERMAN, A. B., 852 Doan St.
Instructor in Mathematics.

EDWARD STOCKTON MEYER, JR. PH. D., 844 Logan Av.
Instructor in German.

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.
Instructor in Philosophy.

THOMAS EDWARD OLIVER, Ph. D., 10 Adelbert Hall.
Instructor in Romance Languages.

CLARENCE POWERS BILL, PH. D., 853 Logan Av.
Instructor in Latin and Greek.

LAWRENCE EDWARD GRIFFIN, PH. D., 2238 Euclid Av.
Instructor in Biology.

ROBERT HERNDON FIFE, JR., PH. D., 91 Mayfield St.
Instructor in German.

FRITZ REICHMANN, PH. D., 46 Knox St.
Instructor in Physics.

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STUDENTS.

Edwin Hugh Edwards, *Cleveland* 259 W. Clinton St.
B. S., University of Michigan, 1892. 3 year. Biology.

Edna Hermine Fick, *Cleveland* 139 Kennard St.
A. B., University of Cincinnati, 1899. 2 year. German.

John Glanville Gill, *Cleveland* 788 Fairmount St.
A. B., Ottawa University, 1896. 1 year. Romance Philology, German.

Francis Florian Herr, *Cleveland* 1276 Scranton Av.
Ph. B., Adelbert College, 1901. 1 year. English.

Franklin Turner Jones, *Cleveland* 40 Knox St.
A. B., Adelbert College, 1897. 2 year. Mathematics, Physics, German.

Mary Lakin, *Cleveland* 51 Mayfield St.
Ph. B., University of Chicago, 1899. 1 year. Education.

Daniel Acker Lehman, *Cleveland* 843 Fairmount St.
Ph. B., Wesleyan University, 1898. 1 year. Mathematics, Physics, Astronomy.

Elizabeth Lore McGrew, *Cleveland* 715 Case Av.
B. S., Smith College. 1901. 1 year. Biology.

Frederick Jacob Menger, *Cleveland* 107 Quinby St.
Diploma, National Deutsches Lehrerseminar, 1893. 2 year. German Literature, Education.

Ida Catherine Messer, *Cleveland* 244 Becker Av.
B. L., College for Women, Western Reserve University, 1900. 2 year. German, French.

Simon Peiser, *Cleveland* Cor. Willson and Woodland Avs.
A. B., University of Cincinnati, 1896. 1 year. Germanic Philology, Education.

Paul Hermann Phillipson, *Cleveland* Cor. Willson and Woodland Avs.
Diploma, National Deutsches Lehrerseminar, 1897; A. M., Western Reserve University, 1901. 2 year. Philosophy.

Nina May Roberts, *Cleveland* 30 Sayles St.
A. B., College for Women, Western Reserve University, 1897; A. M., 1898. 4 year. English.

Anna May Salzer. *Cleveland* 619 Giddings Av.
Ph. B., Oberlin College, 1898. 1 year. English.

Clarence Dimick Stevens, *Cleveland* 698 Republic St.
Ph. B., Wabash College, 1894; A. M., 1900. 1 year. English.

Albert Clarence Streich, *Cleveland* 2 Hodgson St.
A. B., Otterbein University, 1898. 1 year. English.

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COURSES OF GRADUATE INSTRUCTION.

Courses marked with an asterisk (*) are undergraduate elective courses, but are open to graduate students, with the consent of the instructor and the approval of the Faculty. Hours for graduate work will be arranged to suit the convenience of instructor and student.

BIOLOGY.

PROFESSOR HERRICK.

DR. GRIFFIN.

2. *ZOÖLOGY. Comparative Anatomy of Invertebrates. A study of the structure, development, and relationship of certain types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year

3, 4. *ZOÖLOGY. Comparative Anatomy of Vertebrates. A laboratory course in the general anatomy of the principal types of vertebrate animals. One recitation and two laboratory exercises throughout the year.

5. ZOÖLOGY. Research in Animal Morphology —The assignment of special problems for investigation, with individual instruction and supervision. Laboratory work throughout the year.

6. *ELEMENTS OF VERTEBRATE HISTOLOGY or Minute Anatomy. A study of the tissues of the mammalian body. One recitation, two laboratory exercises. Second half-year.

7. *ELEMENTS OF VERTEBRATE EMBRYOLOGY. A detailed study of the development of the bird, and general principles of the embryology of vertebrates. One recitation, two laboratory exercises of two hours each. Second half-year.

9 GENERAL PHYSIOLOGY. A course of reading, supplemented by experiments in the laboratory, on the general physiology of the cell, together with an examination of the facts and theories of life and of the problems which it presents. Two exercises weekly. First half-year.

10. BOTANY. An introduction to the study of plants on the basis of their physiology, morphology, and classification. Instruction is given by lectures, laboratory and field exercises. Second half-year.

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11. BIOLOGICAL READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly, from November to May, at times most convenient to all.

The Laboratory Fees for the different courses are: Courses 2, 5, 6, 7, 10, $5.00; Courses 3, 4, $5.00 for each term; Course 9, $2 00.

CHEMISTRY.

PROFESSOR MORLEY.
ASSOCIATE PROFESSOR GRUENER.
ASSISTANT PROFESSOR TOWER.

1 *ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

2. ORGANIC PREPARATIONS. An equivalent of three laboratory exercises of three hours each, with occasional discussions, for one term or the entire year. This course may be taken in conjunction with or as supplementary to course 1.

3. *ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each, throughout the year.

4. *PHYSIOLOGICAL CHEMISTRY. Halliburton's Essentials of Chemical Physiology. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours, first half-year.

5. *PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year.

ECONOMICS.

ASSOCIATE PROFESSOR WALKER.

1 STATISTICS. Theory and method. General survey of the field of economic and sociological statistics, with the study of important statistical documents. First half-year

2. THEORY OF VALUE AND DISTRIBUTION. A critical study and comparison of the principal theories from the eighteenth century to the present day, based on the writers considered. Second half-year.

3. *MONEY. A course in the history and theory of money, considering the production of the metals, history of coinage, history of paper money, theory of money and credit, history and theory of pieces, bimetallism and other attempts at monetary reform. First half-year.

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4. *SOCIALISM. An historical and critical course in socialism, tracing the development of socialistic thought and effort and giving a critical examination of proposed reforms. First half-year.

5. *FINANCE. A systematic course in public finance, including expenditure, revenue, debts, and administration. Second half-year.

6. *RAILROADS. An historical course in the development of the transportation system in the principal modern states, with the consideration of the chief economic problems. Second half-year.

7. *HISTORY OF ECONOMIC THEORY. A course in the development of general economic theory, with references to the originals. First half-year.

8. HISTORY OF POLITICAL THEORY. A course in the development of political thought, with references to the originals. Second half-year, 1902-1903.

9. HISTORICAL POLITICS. A course in the development of political institutions, considering especially the gentile system, the ancient city, the Athenian democracy, the Roman republic and empire, the feudal system, the origin and rise of representative government, etc. First half-year.

10. COMPARATIVE POLITICS. A comparison of the political institutions of four modern states, viz., the United States, Great Britain, the German Empire, and the French Republic. Second half-year.

EDUCATION AND TEACHING.

See Philosophy and Psychology.

ENGLISH.

PROFESSOR POTWIN (1).
PROFESSOR EMERSON (2-7).
PROFESSOR HULME (8-12).
ASSOCIATE PROFESSOR THORNDIKE (13-16).

1. LITERARY SOURCES OF ENGLISH LITERATURE. Sources (1) Biblical, (2) Classical, (3) French, (4) Italian, (5) German. The study will include (a) Translations and Paraphrases, (b) Imitations in form and spirit—as Milton's Samson Agonistes, (c) Sources of Topics and Subject-matter, (d) Sources of Style. First half-year.

2. RHETORICAL THEORY. An historical and critical study of rhetorical study with reference to Greek, Roman, mediæval, and English rhetoricians. Lectures and recitations. A course for those who expect to teach English. Throughout the year.

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3. OLD ENGLISH. Lectures on historical and descriptive grammar, with readings from Old English prose and poetry. Special attention to the development of the language. First half-year.

4. MIDDLE ENGLISH. Lectures on Middle English language and literature, with critical reading of selections from prose and poetry. Further development of the language. Second half-year.

5. CYNEWULF AND HIS SCHOOL. The acknowledged poems of Cynewulf will be critically read and examined. This will be followed by a careful reading of the works believed to have been written by Cynewulf, or by those influenced by him. First half-year.

6. THE MIDDLE ENGLISH POETICAL ROMANCE. The sources of the poetical romance of Middle English times and its development on English soil. Lectures and readings. Second half-year.

7. PHONETICS. Lectures and recitations on the fundamental relations of speech sounds, and on phonetic analysis. Special study of the phonetics of English. One hour a week, throughout the year.

8. *THE ENGLISH NOVEL. The Historical development of the English novel. Lectures and recitations. Manual: Croft's development of the English novel. Second half-year.

9. *OLD ENGLISH EPIC POETRY. The Béowulf will be read with the class and made the basis of a careful study of Old English society, religion, etc. Advanced Old English grammar. Reading of other Old English epic fragments required as parallel work. First half-year.

10. THE NON-DRAMATIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. This course will include special study of Spencer and Milton, with lectures, select reading and papers. First half-year.

11. *CHAUCER. A study of Chaucer's life and works, with special reference to contemporary life and literature. Class will read and discuss selections from the Canterbury Tales. Second half-year.

12 ENGLISH LITERARY CRITICISM. Lectures on the development of English literary criticism from the sixteenth century to the present time. Selections from the critical essays of Dryden, Addison and Steele, Johnson, Coleridge, Lamb, DeQuincey, Leigh Hunt, Hazlitt, Christopher North, Landor, Carlyle, Macaulay, Matthew Arnold and others. Original papers. First half-year.

13 *ENGLISH POETRY, 1830-1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, with some attention to other poets of the period. Lectures, reports, and class-room dis-

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cussions. A considerable amount of reading will be required, and a much larger amount recommended. First half-year.

14. *ENGLISH PROSE, 1830-1880. Carlyle, Ruskin, Macaulay, Emerson, Matthew Arnold, George Eliot, Hawthorne, Thackeray, with some attention to other prose writers. The course will be conducted by much the same method as Course 13. Second half-year.

15. BEGINNINGS OF ELIZABETHAN LITERATURE. A course of lectures dealing with the prominent literary genres of the period, with especial attention to Italian influence. The early history of the sonnet, pastoral, romance, novel, drama, and criticism will be carefully studied, and opportunity given for individual research. Throughout the year.

16. *SHAKESPEARE AND THE JACOBEAN DRAMA. All of Shakespeare's plays, and some of the best Jacobean plays will be read, and a course of lectures will be given discussing the development of Shakespeare's art from a historical point of view. Second half-year.

GERMANIC LANGUAGES.

PROFESSOR DEERING (1-7).
PROFESSOR HARRIS (Absent for the year), 8-9.
DR. MEYER (10-15).
DR. FIFE (16-19).

1 GOTHIC. Introduction to Germanic Philology—aims, means, methods; Gothic Grammar (Braune); Readings from Wulfila's Bible; Skeireins and other Fragments; Germanic Phonology. First half-year. 1902-1903. *Or*,

2. OLD GERMAN LITERATURE. Critical study of the history of the older German literature from the beginning to the Reformation. Lectures and parallel readings. First half-year.

3. OLD GERMAN LIFE. A study of Old German Life, Customs, Culture, and Institutions, using for reference the texts of Schultz, Scherr, Hirth, Freytag, Biedermann, etc. Special reports on assigned topics. Second half-year, 1902-1903.

4. OLD HIGH GERMAN. Old High German Grammar and Reader (Braune); Readings from Tatian, Notker, Otfrid, Williram; Special study of Old High German dialects, with illustrative readings. Second half-year.

5. GERMANIC MYTHOLOGY AND LEGENDS. Study of Germanic Mythologie and Heldensage. Lectures and reports. Second half-year. Omitted 1901-1902.

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6. *FAUST. Lectures on the development of the Faust legend with parallel readings from the most important Faust literature; Critical study of Goethe's Faust. First half-year.

7. MIDDLE HIGH GERMAN. Grammar (Paul). Selections from the Nibelungen, Gudrun, Walther, Wolfram, Hartmann, Gotfried. Throughout the year.

8. *HISTORY OF GERMAN LITERATURE. Outline History of German Literature from the earliest times to the present; Development of Lyric, Epic, Drama; Illustrative parallel readings. Throughout the year. Omitted 1901-1902.

9. *MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc. Throughout the year. Omitted 1901-1902.

10. THE OLDEST GERMANIC POETRY. Rapid reading and comparison of Béowulf, Widsîth, the Eddas and Volsunga Saga, the Hildebrandslied and Muspilli. First half-year.

11. THE GERMANIC RELIGIOUS EPICS. Comparative study of Cædmon, Otfrid, and the Heliand. Second half-year.

12. THE COURT EPIC. Reading of Wolfram's Parzival with lectures on Heinrich von Veldeke, Hartmann von Aue, Wolfram von Eschenbach, and Gottfried von Strassburg. First half-year, 1902-1903.

13. THE POPULAR EPIC. Reading of the Nibelungenlied and Gudrun, with lectures on the six saga-cycles (Franconian, Burgundian Hunnish, Ostrogothic, Lombardic, and Norman-Saxon. Second half-year, 1902-1903.

14. GRILLPARZER. Study of Sappho, Des Meeres und der Liebe Wellen, Wehe dem der Lügt (in part), Das Goldene Vliesz (in part), and die Jüdin von Toledo with lectures on the relation of Grillparzer's art to that of Shakespeare, Lope de Vega, Alfieri, Goethe, and Schiller. Second half-year.

15. THE GERMAN SOCIAL DRAMA OF TODAY. In its relation to that of the French, Belgian, Norse and English. Reading of Sudermann and Hauptmann, Dumas *fils* and Sardou, Mæterlinck, Björnson and Ibsen, Jones and Pinero. Second half-year.

16. OLD ICELANDIC. Elementary Course. Study of Phonology and forms, followed by the reading of easy prose selections. First half-year.

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17. HISTORY OF EARLY SCANDINAVIAN LITERATURE. Outline in lectures, with cursory readings from the sagas, and more intensive study of selections from the elder Edda. Second half-year.

18. OLD SAXON. Descriptive grammar, accompanied by readings from the Hêliand and Genesis. Second half-year.

Courses 16 and 18 are intended also to be of value to students of English Philology.

19 GERMAN LYRIC SINCE GOETHE. Outline in lectures, with illustrative reading of the masterpieces. Two hours a week, throughout the year.

GREEK.

PROFESSOR FULLER (1-2).

PROFESSOR FOWLER (3-6).

1. *ATHENIAN DRAMA. Selected dramas of Euripides, Sophocles, and Æschylus. This course will aim to promote a careful comparison of the methods and spirit of the three great tragedians. Some of the more unusual idioms and the more prominent questions of text-criticism will be discussed. First half-year.

2. *PHILOSOPHY. Fragments of the pre-Socratic Philosophers (Diogenes Laertius, de vitis, dogmatibus et apophthegmatis philosophorum; Ritter et Preller, Historia Philosophiæ Græcæ), and Selections from Plato and Aristotle. First half-year.

These courses may be taken as minors only when they are being given to an undergraduate elective class. Special graduate courses adapted to the needs and acquirements of the applicant may be arranged by conference.

3. INTRODUCTION TO GREEK EPIGRAPHY. A selection of Greek inscriptions will be read, illustrating more especially the history, institutions, and social customs of the Athenians. Of inscriptions valuable for their form rather than their contents, a number will be studied to illustrate the history of the Greek alphabet and those dialect features which are prominent in Homer, Herodotus, and other authors. Text-books will be Röhl's Imagines Inscriptionum Antiquissimarum, Roberts' Introduction to Greek Epigraphy, and Dittenberger's Sylloge Inscriptionum Græcarum. First half-year.

4. PLATO'S REPUBLIC AND ARISTOTLE'S POLITICS. Selections from these works will be read and studied for their contents rather than their language, with discussion of Greek forms and theories of government. First half-year.

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5. *ARCHÆOLOGY. Extracts from the description of Olympia in Pausanias will be read and discussed, with full illustration from the great excavations, and a topical study of architecture and sculpture will be pursued. The object of the course is to acquaint the student with the great monuments of art, and to stimulate the faculty of independent observation and criticism. Second half-year.

6. *HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, the Historicorum Græcorum Fragmenta, and other sources of Greek history. Second half-year.

Professor Fowler will also give instruction, if desired, in the history of Greek Vase Painting, in the later Greek Philosophy, and in Modern Greek, the details of the work to be determined after conference with the students.

HISTORY.

PROFESSOR BOURNE (Absent for the year).

PROFESSOR PERRIN (5-12).

MR. SEVERANCE (13-16).

1. *HISTORY OF FRANCE. From the fall of the Carolingians to the middle of the eighteenth century. This course concerns the growth of French institutions, and especially the development of the French monarchical system. Other phenomena of French history—feudal society, the rise of the towns, commerce and industry—are treated in connection with this principal subject. Second half-year.

2. *MODERN EUROPEAN HISTORY SINCE 1789. The French Revolution as a social and political movement, the Empire, the growth of the national movements in Germany and Italy, industrial and social changes, the development of the democratic spirit, will be the subjects chiefly investigated. Throughout the year.

3. THE FRENCH GOVERNMENT. From the Assembly of the Notables to the overthrow of the Directory. This course will be based on contemporary memoirs and documents, and upon the authorities, chiefly French, whose works cover special phases of the Revolutionary movement. Two hours a week, either half-year.

4. *EUROPEAN DISCOVERY AND COLONIZATION. This course will begin with a brief review of the history of Mediæval Travel and of the progress of geographical knowledge. This will be followed by a thorough investigation of the discoveries of the fifteenth and sixteenth centuries, of the origin and various phases of the colonial system, and of the effects of the discoveries upon Europe. First half-year.

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5. *AMERICAN COLONIAL HISTORY. The history of the Colonies to the close of the Revolutionary War. The founding of the Colonies, their institutions and political life. The struggle with France and the revolt from the mother country. Special topics are assigned for investigation and class discussion. First half-year.

6. *OUTLINES OF THE POLITICAL AND CONSTITUTIONAL HISTORY OF THE UNITED STATES, 1781-1860. Lectures with required readings in von Holst, Schouler, McMasters, Rhodes, and other standard authorities; the more important documants in McDonald's Select Documents are read and discussed. Second half-year.

7. THE UNITED STATES, 1781-1829. The Government under the Articles of Confederation. The formation of the Constitution, a study of the debates in the convention of 1787, and the ratification of the Constitution by the States. The organization of the National Government and the development of the Constitution and our political history to Jackson's administration. First half-year.

8. *THE UNITED STATES, 1860-1885. Lectures and reports upon topics assigned for investigation. Second half-year.

9. AMERICAN POLITICS. A study of the government of the United States, both national and state, based upon Cooley's Principles of Constitutional Law and Bryce's American Commonwealth. Second half-year.

10. *POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND FROM THE ACCESSION OF THE TUDORS. Lectures and prescribed readings in standard authorities; the more important constitutional documents are discussed. First half-year.

11. THE STUART RÉGIME, 1603-1714. Especial attention given to constitutional questions. The more important documents of Gardiner's Constitutional Documents of the Puritan Revolution are read and discussed. Second half-year.—*Or*,

12. THE POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND SINCE 1815.

13. LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations, and habits of the men and women of that epoch. It will be illustrated by photographs and prints taken from Mediæval Manuscripts. First half-year.

14. THE BELIEFS AND SUPERSTITIONS OF THE MIDDLE AGES. Especial attention will be paid to magic and sorcery and their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc. will also be touched on. Second half-year.

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15. SPECIAL TOPICS IN MEDIÆVAL HISTORY. This course will be conducted according to the Seminary Method, and aims to teach the student how to investigate a topic in Mediæval History from the "sources." The subject for 1902-3 will be either the "Vita Heinrici IV. Imperatoris," or "The Crusades." First half-year.

16. CHURCH HISTORY. The growth of the Christian Church will be traced in its organization, doctrine and life to the Reformation. Its heroes and saints will be portrayed, and an especial attempt will be made to introduce students to the larger literature of the subject. Second half-year.

If desired, Mr. Severance will also form special classes in Bibliography, and will conduct an "Historical Seminar" for graduate students.

LATIN.

PROFESSOR PLATNER (1).
PROFESSOR PERKINS (2-6).

1. The Elective Courses in Latin in Adelbert College are open to graduate students.

2. *ROMAN SATIRE. (a) Lectures on the beginnings of Satire, the history of its development, and its influence on later writers. (b) A course of reading in Lucilius, Horace, Persius, Juvenal, and Martial. First half-year.

3. ROMAN LYRIC AND ELEGIAC POETRY. A course of reading covering the chief works in each of these divisions. First half-year.

4. LATIN PROSE COMPOSITION. An advanced course, adapted to the acquirements and needs of the class. Second half-year.

5. HISTORY OF LATIN LITERATURE. Lectures, with reading of typical selections, and direction of the student's private reading. Throughout the year.

6. CICERO'S LETTERS. Lectures on the history of the period. Students will do critical work on various points in this correspondence and present reports. Second half-year.

MATHEMATICS.

PROFESSOR SMITH.
PROFESSOR PALMIÉ (7-11).
MR. DICKERMAN.

1. *PLANE AND SOLID ANALYTIC GEOMETRY (advanced course). First half-year.

2 *DIFFERENTIAL AND INTEGRAL CALCULUS (advanced course). First half-year.

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3. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. Second half-year.

4. *QUATERNIONS. Kelland and Tait's Introduction to Quaternions. First half-year.

5. *DIFFERENTIAL EQUATIONS. Johnson's Differential Equations. 1902-1903. Second half-year.

6. *MODERN ANALYTIC GEOMETRY. Second half-year.

7. HIGHER PLANE CURVES. General Properties of Algebraic Curves; Multiple Points and Tangents; Poles and Polars; Envelopes, Reciprocal Curves, Tact-invariant of two curves; Caustics, Parallel Curves and Negative Pedals; Metrical Properties. Salmon's Higher Plane Curves. First half-year.

8. THEORY OF FUNCTIONS. General Theory of Functions. Second half-year.

9. DIFFERENTIAL EQUATIONS. Equations of the First Order; Linear Equations with constant Coefficients; Miscellaneous Methods; Legendre's Equation; Bessel's Equation; Forsythe's Differential Equations. First half-year.

10. *PROJECTIVE GEOMETRY. Lectures on Parallel Projections; Perspective; Homology; Vanishing Points and Lines; Projective Figures; Cross Ratios; Harmonic Ratios; Projective Ranges and Pencils; Conic Involution; Conjugate Points and Lines; Reciprocal Figures; Centers and Diameters; Foci and Directrices. Second half-year.

11. THEORY OF SUBSTITUTIONS. General Theory of Substitutions with applications to the solution of cubic and biquadratic equations. First half-year.

PHILOSOPHY.

PROFESSOR CURTIS.
PROFESSOR AIKINS (10-17).
DR. MARVIN.

1. GREEK PHILOSOPHY AND ITS RELATION TO THE RISE OF CHRISTIANITY. A review of the rise and trend of philosophic thought among the Greeks and Romans from about 600 B. C. to 500 A. D. The main points kept in view are: (a) how the early philosophers treated the problems of life and mind, and (b) how their treatment of these problems is related to the rise and development of Christian Doctrine. The works of Zeller, Marshall, Grote, Jowett, Ueberweg, Heinze, Ritter, Harnack, and Hatch are among the references. First half-year.

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2. BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations and private readings. The purpose of this course is to acquaint the student with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treatise of Human Nature. The course will bring forward the main problems of Modern Philosophy. Such features as are specially prominent today will be indicated and outlined. Among the general reviews of this period mention may be made of Morris' British Thought and Thinkers, Fraser's Selections from Berkeley, and Grimm's Zur Geschichte des Erkenntnisproblems von Bacon bis Hume. First half year.

3. THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Selections from the following parts of his work are thus examined: First Principles, The Principles of Biology, The Principles of Psychology, and The Principles of Sociology. Lectures will be given with the aim of showing the historical development and present condition of evolutional thought. Digests and critical essays will be required for the purpose of bringing into prominence the main questions of Cosmology. The more important handbooks for this study are Spencer's First Principles, and Collins' An Epitome of the Synthetic Philosophy. Second half-year.—*Or*,

4. THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Critique of Pure Reason will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysic of Morality, the Critique of Practical Reason, and the Critique of Judgment. For this course some knowledge of German is advantageous. Second half-year.

5. *INTRODUCTION TO PHILOSOPHY. This course is designed as a systematic review of the content of Philosophy. It will probably be given in the form of lectures by the instructor and reports on assigned topics by the students. Ladd's Philosophy of Mind, and Introduction to Philosophy; Royce's Spirit of Modern Philosophy; Paulsen's Introduction to Philosophy; Mill's Examination of Hamilton and Külpe's Einleitung in die Philosophie are among the books of reference. Second half-year.

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6. ADVANCED ETHICS. Presupposes the undergraduate work in Psychology, Logic, Ethics and Introduction to Philosophy. The work is conducted by seminary methods in abstracts and discussions. Throughout the year.

7. SOCIOLOGY IN THE LIGHT OF ANTHROPOLOGY. The main problems and bearings of anthropology will be discussed in systematic order and their sociological import noted in such works as those of Morgan, Brinton, Quatrefages, Taylor, Pritchard, Darwin, Wallace, Ranke and Ratzel. Then a course of lectures will outline a more systematic treatment of Sociology based upon Anthropology, after which certain aspects of the works of Compte, Buckle, Spencer, Schäffle, Lilienfeld, Stein, Ward and Giddings will be discussed. Throughout the year.

8. ADVANCED LOGIC AND LOGICAL METHODS. This course will include a careful study of Sigwart's Logic in connection with other important German and English works on that subject. Throughout the year.

9. METAPHYSICS. The main problems of systematic Metaphysics will be studied in connection with the reading of some recent writings belonging to this part of philosophy. Throughout the year.

10. *ELEMENTARY PSYCHOLOGY. An outline of the subject, mainly from the physiological standpoint. First half-year.

11. ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

12. *INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion. Knowledge: what it is and what we can hope to know; idealism, realism and scepticism; the relation of knowledge to faith. Second half-year.

13. HISTORY OF PHILOSOPHY. The course can be made to cover a period or confined to the work of some single philosopher, according to the preparation and interests of the students who elect it. In 1900-1 the course was devoted to Locke, Berkeley and Hume. In 1901-2 it is devoted to Kant. First half-year.

14. HISTORY OF MORALS. The moral ideals and practices of human beings in various stages of development. The origin of some of our present problems of right and wrong. First half-year.

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15. ADVANCED COURSE in Philosophy. A critical study of some one or two philosophers or of some group of philosophical problems. In 1900-1 and in 1901-2 the course has been a continuation of course 13. Second half-year.

16. PSYCHOLOGY IN EDUCATION. The course is intended to cover as much as possible of the following ground. Animals: their instincts, habits, intelligence and training. Children: aims and methods of child-study, practice in psychological observation, growth of mind and body and physical basis of precocity and dullness, contents of children's minds, their reasoning and their ideas of good and bad. Rhythm, fatigue, and other general relations of mind and body. Individual differences: the mental life and education of the blind, the deaf, and other defectives. The aims of education: the acquisition of specific habits and the alleged training of general faculties, such as memory, imagination, observation, judgment, attention and will; disease of various faculties; the meaning of culture, character, power and personality. The noticeable effects of education. Special educational means and their psychological basis: interest, imitation, sympathy, suggestion (hypnotism), apperception and correlation, manual training. Second half-year, alternating with 17.

17. HISTORY AND PRINCIPLES OF EDUCATION. An historical study of educational theories and practice, especially since the Renaissance. The course will include extensive readings from the great writers on education and the incidental discussion of some of the current problems and controversies concerning aims and methods. Second half-year, alternating with 16.

PHYSICS.

PROFESSOR WHITMAN.

DR. REICHMANN.

1. *PHYSICAL OPTICS. Preston's Light, with lectures and laboratory work. Two hours a week, and one laboratory exercise, first half-year.

2. *THEORY OF HEAT. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Three hours a week, second half-year.

3. *THEORY AND PRACTICE OF ELECTRICAL MEASUREMENTS. While mainly a laboratory course, this includes a general review of Electrical Theory. The text used will depend somewhat on the char-

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acter of the class. Two laboratory exercises, and one conference a week, throughout the year.

4. PHYSICAL EXPERIMENT. This course involves detailed study, theoretically and experimentally, of selected topics in Physics. The amount of time to be given to the work is arranged with each individual student.

A knowledge of the elements of the Calculus is necessary for Courses 1, 2, 3, and 4.

The laboratory fee for each of these courses is $4.00 for each term.

ROMANCE LANGUAGES.

ASSOCIATE PROFESSOR BOURLAND (1-5).

DR. OLIVER (6-10).

1. HISTORICAL GRAMMAR. Comparative Historical Grammar of the Romance Languages, with special reference to French, Spanish, and Italian. Lectures. Throughout the year.

2. SPANISH LITERATURE. History of Spanish Literature, with special consideration of the old Spanish and classical periods. Throughout the year.

3. DANTE. Lectures and interpretations. Throughout the year.

4. PROVENÇAL. Lectures on the language and literature, with illustrative readings. Throughout the year.

5. INTRODUCTION TO ROMANCE PHILOLOGY. Lectures on sources and methods of research. First half-year.

Only one of the foregoing courses may be expected in any one half-year.

6. THE SEVENTEENTH CENTURY. Lectures on the culture, the society, and the literature of France in the seventeenth century. Interpretation of the great Prose Writers and the Classic Dramatists. First half-year.

7. THE EIGHTEENTH CENTURY. The literature and culture of France in the eighteenth century. Break up of the classic ideals; growth of the Revolutionary Spirit; The Philosophers and the Encyclopedists: The Drama. Second half-year.

8. THE SIXTEENTH CENTURY. The Reformation and the Renaissance. Rabelais and Montaigne. The Pleiade and Literary Reform.

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Study of the language and syntax of the period. Readings from Darmsteter and Hatzfeld's "Le Seizième Siècle en France." First half-year.

9. HISTORY OF OLD FRENCH LITERATURE. With representative readings from the great epics, especially La Chanson de Roland and Christian of Troyes; The Mediæval Drama. First half-year.

10. FRENCH HISTORICAL GRAMMAR. Phonetics; Morphology; Syntax. Illustrative Readings from Old French Texts. Second half-year.

SANSKRIT.

PROFESSOR PLATNER.

1. AN ELEMENTARY COURSE. Designed primarily for those students who intend to become teachers of the classics. The text-books are Whitney's Grammar and Lanman's Reader. Number of exercises variable. Throughout the year.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first-half year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the Saturday after the last Thursday in January. The second half-year begins on the Monday after the last Thursday in January, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the 10th day of June (or after the ninth in years in which February has twenty-nine days). No exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

METHODS AND LIBRARY FACILITIES.

Instruction is given by lectures, seminaries, recitations, and conferences with instructors, by specially directed courses of reading or research, by work in laboratories, etc.

The library facilities available are: (1) Hatch Library (about 55,000 books and pamphlets), with a very full periodical list, with good collections, especially in French literature, classical philology, archæology, and history, and unusually well equipped in Germanic philology and literature, including the library (12,000 vols.) of the late Prof. Wilhelm Scherer of the University of Berlin; (2) Library of the College for Women, a small, well selected collection for general work; (3) the Case Library (50,000 vols.) well supplied with periodicals and general literature, and offering excellent facilities for the study of the fine arts, of political economy and sociology, and of the sciences, especially chem-

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istry and botany; (4) the Cleveland Public Library (150,000 vols.), well supplied with Shakesperiana, with modern literature, with works on history, art, and archæology.

DEGREES.

The degrees conferred by the Trustees, on recommendation of the Graduate Faculty, are MASTER OF ARTS and DOCTOR OF PHILOSOPHY. The degree of Master of Arts will be conferred on accepted candidates who shall have pursued successfully, in residence and under the direction of the Faculty, advanced courses of liberal study equal in amount to the work of one collegiate year—ordinarily the equivalent of four courses aggregating twelve hours a week. These courses must be divided among at least three different subjects. Detailed information regarding courses of study may be obtained from the Dean of the Faculty. The degree will also be conferred without residence, upon graduates of the class of 1893 or before, of Adelbert College or the College for Women, provided the candidate sustain satisfactory examination in the courses prescribed, and submit either a thesis on a subject assigned or other sufficient evidence of fitness to receive the degree—such as printed essays.

The degree of Doctor of Philosophy will be conferred only on persons who have previously received a Bachelor's degree either from this or from some other university or college of good standing. The candidate must have pursued courses of advanced study, mainly of university as distinguished from college grade. He must have shown special ability in one branch of study (major) and high attainments in two other branches (minors), as determined by written or oral examinations or both. The candidate must have submitted to the Graduate Faculty a thesis, which shall be accepted as evincing powers of research and independent investigation. After its acceptance he must deposit at least

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fifty copies of his thesis, printed either in full or in abstract as may be required, with the Dean of the Graduate Faculty. The degree will be granted to no one who does not possess a good reading knowledge of French and German and, unless specially excused, of Latin. The degree is not given merely for faithful study of courses taken or text-books assigned, but as evidence of special ability in some chosen field; hence no definite term of study can be specified. Ordinarily at least two years are necessary and often a longer time is advisable. Part of this time may be spent in advanced study at some other institution of high standing in this country or abroad; the last year, at least, must be spent in residence here.

In cases where the undergraduate courses already taken are not equivalent to those given in this university, or where, for any reason, previous preparation is inadequate, students must do additional undergraduate work or prolong the term of graduate study, as may be required, before receiving higher degrees.

EXPENSES.

The regular fee for instruction for each graduate student is eighty-five dollars a year. This does not include special laboratory fees, for which students may apply to the instructors concerned.

A limited number of scholarships has been established and will be awarded upon presentation of satisfactory evidence of scholarly ability. The recipients of these scholarships may be called upon to render service to the university.

THE FRANCIS G. BUTLER FUND.

The Francis G. Butler Publication Fund is available to graduate students for the publication of the results of original research in the field of American history.

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THE MEDICAL COLLEGE.

GENERAL STATEMENT.

THE Medical Department of the Western Reserve University was organized, in 1843, as the Cleveland Medical College, a branch of the Western Reserve College. The first Faculty contained the names of Drs. John Delemater, Jared P. Kirtland, Noah Worcester, Horace A. Ackley, John Lang Cassels, and Samuel St. John, names widely known in medicine. The first class graduated in 1844. The requirements for graduation were three years study of medicine, including two required terms of attendance on medical lectures, each term extending over a period of sixteen weeks, together "with good moral character." The old college was built in 1844, on the site of the present college building, corner of St. Clair and Erie Streets. This ground has since been continuously occupied for medical college purposes. The length of the course remained sixteen weeks until 1868, when it was increased to seventeen weeks. In 1871 the course was increased to twenty weeks. In 1875 the old Cleveland City Hospital, with its fifty-nine beds, the predecessor of the Lakeside Hospital, was first utilized for clinical purposes. In 1878 the length of the course became twenty-four weeks. In 1881 an optional three years course was adopted. In 1881 Charity Hospital was added as a clinical field, with about seventy-five beds, together with its Maternity Department. In 1887 the present commodious college building was first occupied; in the same year a preliminary examination was for the first time instituted. In 1888 the length of the course was increased to six months, and the number of the courses

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required to three. In the same year laboratory work was made an obligatory part of the course, in Chemistry and Pathology. An optional four years course was adopted in 1895, and was made obligatory in the following year. In 1895 the length of the course was increased to eight months; at the same time practical work in the laboratories of Histology, Bacteriology and Physiology, was added as a part of the required college work. In 1896 also, the right to use the present City Hospital for four months in the year for clinical purposes was acquired. In January, 1898, the new Lakeside Hospital was formally occupied, and the new chemical laboratory was erected. At the same time laboratory instruction in Pharmacology was added as one of the required courses of the curriculum. In 1900 the new laboratory of Clinical Microscopy and Clinical Medicine was erected and in 1901 it was fully equipped. In 1901, by unanimous recommendation of the Medical Faculty and by vote of the Trustees, the requirements for admission to the first year of the Medical College have been increased to include the work of the Junior year in a recognized literary college. The rapid development of the curriculum in this school in these late years has only been possible through the generous financial assistance of its many friends, to whom the Medical Faculty thus desires to make public acknowledgment. The graduates of the Medical College now number two thousand, two hundred and twenty-two.

The course of study for the degree of Doctor of Medicine is now of four years duration. The school year or session continues eight months. Theoretical and applied branches of study are graded, and arranged with reference to their bearing upon and preparation for each other, and the effect of the whole course. Instruction is given by lectures, recitations, quizzes, laboratory work, clinical demonstrations, and practical dispensary and bedside work. Endowment of the chairs of Anatomy, Histology, Bacteriology, Physiology,

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Chemistry, Pathology, Pharmacology, and Clinical Microscopy, permits the employment of teachers who devote all of their time to teaching and research in this college. The buildings are modern in plan, construction and equipment, and ample in size for their purposes. In the subjects of Anatomy, Chemistry, Physiology, Histology, Embryology and Comparative Anatomy, Bacteriology, Pathological Anatomy, Pharmacy and Pharmacology, and Clinical Microscopy, laboratory work accompanies the didactic instruction and is required of every student. In the Senior class every student is required to do practical work in the Dispensaries, at the bedside in the hospitals, and in the obstetrical wards.

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FACULTY.

CHARLES F. THWING, D. D., LL. D., 55 Bellflower Av.
President.

JACOB LAISY, A. M., M. D., Syracuse, Neb.
Professor Emeritus of Anatomy.

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.
Professor of Therapeutics.

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.
Professor of Obstetrics and Pediatrics.

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.
Professor of Medicine and Clinical Medicine.

JOHN P. SAWYER, A. M., M. D., 526 The Rose Bldg.
Professor of Medicine and Clinical Medicine.

PERRY L. HOBBS, PH. D. (Berlin), 1420 Euclid Av.
Professor of Chemistry.

WILLIAM T. CORLETT, M. D., L. R. C. P. (London), 553 Euclid Av.
Professor of Dermatology and Syphilology.

HENRY S. UPSON, A. B., M. D., New England Bldg.
Professor of Neurology.

GEORGE C. ASHMUN, M. D., 794 Republic St.
Professor of Hygiene and Preventive Medicine,
Registrar and Bursar.

DUDLEY P. ALLEN, A. M., M. D., 278 Prospect St.
Professor of the Theory and Practice of Surgery and Clinical Surgery.

BENJAMIN L. MILLIKIN, A. M., M. D., 278 Prospect St.
Professor of Opthalmology,
Dean and Executive Officer of the Faculty.

CARL A. HAMANN, M. D., 661 Prospect St.
Professor of Anatomy.

FRANK E. BUNTS, M. D., 275 Prospect St.
Professor of the Principles of Surgery and Clical Surgery.

HUNTER ROBB, A. B., M. D., 702 Rose Bldg.
Professor of Gynecology.

GEORGE N. STEWART, M. A., D. Sc., M. D., (Edin.), D. P. H. (Camb.),
Professor of Physiology. Medical College.

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WILLIAM T. HOWARD, JR., A. B., M. D., 88 Dorchester Av.
Professor of Pathology, Pathological Anatomy and Bacteriology.

EDWARD F. CUSHING, PH. B., M. D., 1160 Euclid Av.
Professor of the Diseases of Children.

CHARLES F. HOOVER, A. B., M. D., 702 Rose Bldg.
Professor of Physical Diagnosis.

GEORGE W. CRILE, PH. D., M. D., 169 Kensington St.
Professor of Clinical Surgery.

WILLIAM H. HUMISTON, M. D., 526 Rose Bldg.
Associate Professor of Gynecology.

TORALD SOLLMANN, M. D., Erie and St. Clair Sts.
Assistant Professor of Pharmacology and Materia Medica.

FREDERICK C. WAITE, A. M., PH. D. (Harvard), 77 Hillburn Av.
Assistant Professor of Histology and Embryology.

JOHN M. INGERSOLL, A. M., M. D., 50 Euclid Av.
Lecturer on Otology, Rhinology and Laryngology.

WILLIAM R. LINCOLN, M. D., 275 Prospect St.
Lecturer on Otology, Rhinology and Laryngology.

EDWARD P. CARTER, M. D., 8 Hayward St.
Lecturer on Medical Jurisprudence.

L. W. LADD, A. B., M. D., Colonial Flats, Russell & Euclid.
The Leonard Hanna Lecturer on Clinical Microscopy.

ROGER G. PERKINS, A. B., M. D., Colonial Flats, Russell & Euclid.
Lecturer on Bacteriology and Assistant in Pathology.

DEMONSTRATORS.

HENRY A. BECKER, A. M., M. D., Pearl St. & Clark Av.
Demonstrator in Surgery.

WILLIAM E. BRUNER, A. M., M. D., 514 New England Bldg.
Demonstrator in Ophthalmology.

ROY B. METZ, M. D., Medical College.
Demonstrator of Physiology.

WILLIAM O. OSBORN, B. L., M. D., 275 Prospect St.
Demonstrator in Medicine.

WALTER H. MERRIAM, PH. B., M. D., 275 Prospect St.
Demonstrator in Medicine.

FREDERICK C. HERRICK, A. B., M. D., 367 Erie St.
Demonstrator in Surgery.

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FRANK J. GEIB, A. B., M. D., Cor. Willson and Prospect St.
Demonstrator in Medicine.

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.
Demonstrator in Surgery.

HENRY P. PARKER, A. B., M. D., Colonial Flats, Russell & Euclid.
Demonstrator in Pathology and Bacteriology.

HUBERT L. SPENCE, M. D., 512 New England Bldg.
Demonstrator of Nervous Diseases.

OSCAR T. THOMAS, M. D., 85 Edgewood Pl.
Demonstrator in Gynecology.

EDWIN B. SEASON, M. D., 2238 Euclid Av.
Demonstrator in Medicine.

GEORGE W. MOOREHOUSE, M. L., M. D., 39 Cutler St.
Demonstrator in Medicine.

JOHN S. TIERNEY, M. D., Medical College.
Demonstrator of Anatomy.

EDWARD P. CARTER, M. D., 8 Hayward St.
Demonstrator of Dermatology and Syphilology.

ROBERT H. SUNKLE, A. B., M. D., Pearl St. and Clark Av.
Demonstrator of Gynecology.

JOHN C. DARBY, A. B., M. D., Lakeside Hospital.
Demonstrator of Pathology.

RUSSELL H. BIRGE, A. B., M. D., 260 Euclid Av.
Demonstrator of Surgery.

WM. E. LOWER, M. D., 275 Prospect St.
Demonstrator of Surgery at St. Alexis' Hospital.

ASSISTANTS.

FRANK S. CLARK, A. M., M. D., 493 Colonial Arcade.
Assistant in Obstetrics and Pediatrics at Lakeside Hospital Dispensary.

WILLIAM E. BRUNER, A. M., M. D., 514 New England Bldg.
Assistant in Ophthalmology at Lakeside Hospital Dispensary.

OSCAR T. THOMAS, M. D., 85 Edgewood Pl.
Assistant in Gynecology at Charity Hospital Dispensary.

HENRY A. BECKER, A. M., M. D., Pearl St. and Clark Av.
Assistant in Surgery at Lakeside Hospital Dispensary.

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HUBERT L. SPENCE, M. D , 512 New England Bldg.
Assistant iu Nervous Diseases at Lakeside Hospital Dispensary.

JOHN J. THOMAS, A. M., M. D., 156 Crawford Rd.
Assistant in Diseases of Children at Lakeside Hospital Dispensary.

ROBT. H. SUNKLE, A. B., M. D., Pearl and Clark Sts.
Assistant in Gynecology at Lakeside Hospital Dispensary.

WILLIAM O. OSBORN, B. L., M. D., 275 Prospect Sts.
Assistant in Medicine at Charity Hospital Dispensary.

EDWIN B. SEASON, M. D., 2238 Euclid Av.
Assistant in Medicine at Lakeside Hospital Dispensary.

T. E. GRIFFITHS, M. D., 1104 Woodland Av.
Assistant in Surgery at Charity Hospital Dispensary.

WALTER H. MERRIAM, PH. B., M. D., 275 Prospect St.
Assistant in Medicine at Charity Hospital Dispensary.

FREDERICK C. HERRICK, A. B., M. D., 367 Erie St.
Assistant in Surgery at Charity Hospital Dispensary.

H. J. HERRICK, A. M., M. D., 367 Erie St.
Assistant in Ophthalmology at Lakeside Hospital Dispensary.

LYMAN W. CHILDS, M. D., Cor. Wade Park and Dunham Avs.
Assistant in Throat, Nose and Ear at Lakeside Hospital Dispensary.

EDWARD P. CARTER, M. D., 8 Hayward St.
Assistant in Dermatology and Syphilology at Lakeside Hospital Dispensary.

JAMES A. EVANS, B. S., Medical College.
Assistant in Chemistry.

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.
Assistant in Surgery at Lakeside Hospital Dispensary.

GEORGE W. MOOREHOUSE, M. L., M. D., 39 Cutler St.
Assistant in Medicine at Lakeside Hospital Dispensary.

FRANK J. GEIB, A. B., M. D., Willson Av. and Prospect St.
Assistant in Medicine at Charity Hospital Dispensary.

WILLIAM E. SHACKLETON, M. D., 605 The Osborn
Assistant in Ophthalmology at Lakeside Hospital Dispensary.

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FANNY C. HUTCHINS, M. D., 373 Jennings Av.
Assistant in Nervous Diseases.

S. H. LARGE, M. D., 1012 New England Bldg.
Assistant in Nose, Ear and Throat Diseases.

R. A. HATCHER, PH. G., M. D., Erie and St. Clair Sts.
Assistant in Pharmacology and Materia Medica.

RUSSELL H. BIRGE, A. B., M. D., 260 Euclid Av.
Assistant in Surgery at Lakeside Hospital.

ROY B. METZ, M. D., Medical College.
Clerk of Medical College.

ANDREW FLOWER, Erie and St. Clair Sts.
Prosector and Curator Anatomical Rooms.

MRS. FLOWER, Erie and St. Clair Sts.
Janitress.

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STUDENTS, 1901-1902.

FOURTH YEAR.

Jacob B. Austin, Ph. B.,	*Cleveland*	217 Oakdale St.
John W. Boss, A. B.,	*Cleveland*	530 Euclid Av.
E. D. Brown,	*Cleveland*	1617 Cedar Av.
Brady B. Buck,	*Carrollton*	701 Superior St.
Mars W. Carpenter,	*Temple*	451 Pearl St.
Percy W. Cobb, B. S.,	*Cleveland*	37 Hazard St.
Chris E. Corlett,	*Cleveland*	264 Sawtell Av.
Herbert E. Edwards,	*Cleveland*	161 Putnam St.
C. V. Garver,	*Wooster*	442 Euclid Av.
Arthur Leroy Garrison,	*Rochester*	275 Prospect St.
Walter A. Haldy,	*Cleveland*	502 Euclid Av.
Walter E. Hatch,	*Cleveland*	141 Chestnut St.
James J. Hathaway,	*Cleveland*	1378 Superior St.
George R. Hays,	*Massillon*	57 Sibley St.
Jesse E. Hunt,	*Cleveland*	726 E. Prospect St.
Frank H. Ikirt,	*Liverpool*	
J. B. Isham,	*Cleveland*	828 Rose Bldg.
Foster W. Jackson,	*Warren*	37 Hazard St.
Nathaniel M. Jones, Jr., B. L.,	*Cleveland*	162 Taylor St.
Emanuel Klaus,	*Cleveland*	958 Lorain St.
Max H. Klaus,	*Cleveland*	958 Lorain St.
Claude W. Lane,	*Kenilworth*	Erie & St. Clair Sts.
John F. Lindsay,	*Salineville*	32 Hazard St.
William J. Manning,	*Cleveland*	1 Dodge Ct.
John Mohr,	*Cleveland*	6 Cleve St.
William C. Park,	*Grafton*	141 Chestnut St.
Ben Peskind, B. S.,	*Cleveland*	1354 Willson Av.
John R. Philen,	*Cleveland*	232 Champlain St.
Carlos E. Pitkin,	*Brunswick*	32 Hazard St.
Henry Riewel,	*Cleveland*	95 Perry St.
Clarence D. Selby,	*Portsmouth*	64 Hawthorne Av.
C. H. Senn, M. D.,	*Williamsport, Pa.*	755 Superior St.
George W. Shepard,	*Mantua Station*	530 Euclid Av.
James A. Sherbondy,	*Jamestown, Pa.*	701 Superior St.
W. F. Stahl,	*Cleveland*	171 Dodge St.
Parker F. Southwick,	*Kendallville, Ind.*	141 Chestnut St.
Alvin S. Storey, B. S.,	*Cleveland*	1083 St. Clair St.
B. C. Tarnutzer,	*Portage, Wis.*	914 Franklin Av.
Thomas J. Taylor,	*Cleveland*	294 Sterling Av.

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John H. Weber, Ph. B.,	*Miamisburg*	442 Euclid Av.
B. W. Wilson, A. B.,	*Cleveland*	530 Euclid Av.
David Yohannon, A. B.,	*Persia*	1083 St. Clair St.

FOURTH YEAR, 25.

THIRD YEAR.

George I. Bauman,	*Cleveland*	1279 Cedar Av.
Arno E. Bohm.	*Cleveland*	311 Huntington St.
John J. L. Bolden,	*Cleveland*	25 Newton St.
Nathan W. Brown, B. S.,	*Swatow, China*	331 Kennard St.
Webb P. Chamberlain, A. B.,	*Twinsburg*	6 Wycombe Pl.
Carl Cherdron,	*Cleveland*	110 Erie St.
Frederick E. Dilley,	*Cleveland*	3717 Euclid Av.
Ralph W. Elliott, Ph. B.,	*Cleveland*	855 Stark Av.
Henry Gerstenberger,	*Cleveland*	113 Linden St.
Homer H. Heath, B. S.,	*E. Cleveland*	58 Marloes Av.
W. C. Hill,	*Berlin Heights*	459 Euclid Av.
Leon Hirsh,	*New Brunswick, N. J.*	393 Jennings Av.
Alfred A. Jenkins,	*Cleveland*	38 White Av.
Henry C. Kelker,	*Mt. Gilead*	28 Cheshire St
Wade A. Lewis,	*Galion*	88 Lawnview Av.
George W. Magargee,	*Pordoe, Pa.*	162 Dodge St.
Frederick K. McCune,	*Buena Vista, Pa.*	37 Plymouth St.
Sidney M. McCurdy,	*Andover, Mass.*	42 Lawnview Av.
John F. Rudolph, A. B.,	*Cleveland*	68 Mansion St.
William E. Sampliner,	*Cleveland*	The Augusta.
Frederick M. Sayle,	*Cleveland*	1499 Cedar Av.
Edward J. Scanlon,	*Cleveland*	850 Woodland Av.
O. M. Shirey,	*Loveland, Colo.*	171 Dodge St.
John A. Sipher, A. B.,	*Cleveland*	442 Euclid Av.
C. E. Spring,	*Elyria*	141 Chestnut St.
Chauncey C. Stewart,	*Poland*	162 Dodge St.
John R. Stewart,	*Rochester, N. Y.*	818 Case Av.
Charles W. Thomas, A. B.,	*Cleveland*	1394 Woodland Hills.
Harry D. Vail,	*Cleveland*	190 Helen St.
John A. Vincent,	*Cleveland*	777 Superior St.
Harry S. Watterson,	*Cleveland*	564 E. Prospect St.
Richard Wedler,	*Cleveland*	160 Colfax St.
Wm. H White,	*Chandlersville*	459 Euclid Av.
Irvin S. Workman,	*Danville*	55 Sibley St.
Thomas C. Young,	*Cleveland*	1372 Woodland Hills.

THIRD YEAR, 35.

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SECOND YEAR.

Charles Albl,	*Cleveland*	1406 Broadway.
Samuel S. Berger,	*Cleveland*	1859 Superior St.
John H Brett,	*Cleveland*	34 Ocean St.
Shepard Burroughs,	*Northfield*	229 Euclid Av.
Arthur M. Cheetham,	*Cleveland*	805 E. Madison Av.
Albert E. Connell,	*Cleveland*	16 Dunham Pl.
J. R. Davis, D. D. S., D. D. Sc.,	*Cleveland*	99 Lawnview Av.
John B. Donaldson,	*Lorain*	154 N. Perry St.
John F. Flynn,	*Erie, Pa.*	The Ellington.
Henry G. Golden, A. B.,	*Willoughby*	99 Lawnview Av.
Isadore Goodman,	*Cleveland*	264 Columbus St.
Albert Grills,	*Elyria*	97 Rosedale Av.
Arden P. Hammond,	*Cleveland*	607 Lakeview Flats.
Harry Holibaugh,	*Marlboro*	753 Superior St.
Frank C. Hoskins,	*Grand Rapids, Mich.*	900 Fairmount St.
Perry F. King, B. S.,	*N. Georgetown*	99 Lawnview Av.
Emanuel Koblitz,	*Cleveland*	Broadway and Humboldt St.
Carl A. Lenhart, Ph. B.,	*Wauseon*	414 The Ellington.
J. George Mannhardt, Ph. G.,	*Galion*	698 Clark Av.
Russell H. McClure,	*Elyria*	613 East Av.
Carl E. Ochs,	*Kenton*	98 Herrick St.
Nicholas A. O'Connor,	*Cleveland*	224 Starkweather Av.
George Pay,	*Cleveland*	47 Chestnut St.
Charles Parkhurst,	*Fostoria*	753 Superior St.
David A. Prendergast,	*Cleveland*	61 Burton St.
W. A. Schlessinger,	*Cleveland*	129 McBride St.
Demba M. Spicer,	*Lagrange*	162½ Chestnut St.
John A. Staral,	*Cleveland*	1251 Willson Av.
Harry M. Tarr,	*Cleveland*	193 Clinton St.
Jesse E. Thompson,	*Bristolville*	2 Livingston St.
Bert E. Tyler,	*Cleveland*	51 Daisy Av.
John H. Wells,	*Glenville*	Lonsdale Av.
Leslie A. Woolf,	*Atwater*	507 Prospect St.
Micheal Cyrillus Yeagle, Ph. B.,	*Clyde*	761 Superior St.
Harvey E. Yoder,	*North Industry*	9 Wycombe Pl.
Samuel A. Young,	*Cleveland*	2370 Crosby Av.
William Otto Ziemer,	*Cleveland*	34 Woodbridge Av.

SECOND YEAR, 37.

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FIRST YEAR.

N. S. Banker, A. B., Ohio State Normal.	*Canton*	739 Superior St.
Claude L. Difford,	*Cleveland*	49 Alum St.
Carroll Cleveland Elliott, A. B., Adelbert.	*Cleveland*	855 Stark St.
Raymond L. Hobart,	*Pemberville*	201 Adelbert St.
N. W. Ingalls, B. S., Baldwin University.	*Berea*	
J. Charles McFate, A. B.,	*Cochranton, Pa.*	739 Superior St.
J. Douglas Pilcher,	*Cleveland*	54 Auburndale Av.
Edward Peturcha,	*Cleveland*	51 Goethe St.
S. H. Solmonson, B. S., Case.	*Cleveland*	1022 Case Av.
Lubor Charles Sykora,	*Avon Lake*	221 Osborn St.
Oliver A. Weber,	*Miamisburg*	127 Murray Hill Av.
Arthur G. Wilcox,	*Akron*	Adelbert Hall.

FIRST YEAR, 12.

SUMMARY.

Fourth Year	42
Third Year	35
Second Year	37
First Year	12
Total	126

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REQUIREMENTS FOR ADMISSION.

SESSION 1902-03.

I. Graduates in Arts and Sciences of recognized colleges will be accepted without examination, on presentation of diploma.

II. Students who present certificates from recognized colleges, showing that the work of the Junior year in such colleges has been completed, will be accepted without examination.

III. Students who can not present certificates covering the entire work of the first three years in a recognized college, will be required to pass an examination upon the work in which they may be deficient. These examinations will be conducted by the Faculty of Adelbert College of Western Reserve University.

IV. Students in the Senior class of Adelbert College are permitted to take elective courses in the first year of the Medical College. Such electives are counted toward the academic degree, so that in this way students may save one year in the combined literary and medical courses.

ADMISSION TO ADVANCED STANDING.

Graduates in Arts or Sciences of recognized colleges who have, during their academic course, devoted to the subjects the number of hours, or have covered the text-books mentioned below or their equivalents, and have passed satisfactory examinations thereon, may be admitted to the second year of the course. But the amount of practical work in such courses must not be less than that required in the corresponding subjects during the first year in this college.

General Biology, 90 hours; Sedgwick and Minot, or Huxley and Martin. Comparative Anatomy, 75 hours; Kingsley or Wiedersheim. Embryology, 75 hours; Foster and Balfour, Hertwig, or Heisler. Human Anatomy, 120 hours. Histology, 210 hours; Böhm and Davidoff's, Schäfer's, Piersol's, Stöhr's, or Clarkson's Histology. Inorganic and Organic Chemistry, 300 hours. Physics, 60 hours; Carhart's University Physics, or Gage's Elements of Physics.

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Graduates in Arts or Sciences who are deficient in Histology or Organic Chemistry may still be permitted to enter the second year on condition of making up the deficiency by private work and passing the examination on these subjects during the year. Students from other medical colleges will be admitted to advanced standing on the production of satisfactory proof that they have completed the required preliminary work and also that comprised in the portion of the curriculum of this college from which exemption is sought.

Graduates in Medicine from other schools, who desire to apply for the degree of Doctor of Medicine in this school, must present satisfactory proof that they have completed the preliminary literary work required of the class to which they seek admission, must take at least the work of the fourth year, and must pass the examinations on all the subjects of this year, and any subjects of other years in which they may be deficient. Graduates in Medicine, or other students who desire to take special courses without graduation, will be admitted without examination. Such special courses will not count in any way for the degree of Doctor of Medicine in this College.

Examination of certificates for admission will take place in the college building on the two week days preceding the opening of the session. Candidates should attend at the college on either of these days, bringing their certificates with them Diplomas or certificates may also be personally presented to the Registrar during the week preceding the opening, or forwarded to him at any time.

In accordance with the laws of certain states, not including Ohio, all persons desiring to practice medicine in these states are required to have attended before taking the state examination, four full years at a regular medical college, whether they are graduates of a literary college or not. The attention of candidates for advanced standing is therefore called to this fact.

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COURSES OF STUDY.

Number of Hours Per Week.

FIRST YEAR.

LECTURES AND RECITATIONS.

Anatomy ..... 4 hours
Chemistry ..... 3 hours
Histology and Microscopical Anatomy ..... 1 hour
Comparative Vertebrate Anatomy ..... 1 hour first half-year
Vertebrate Embryology ..... 1 hour second half-year

LABORATORY WORK.

Chemistry ..... 7 hours throughout the year
Bacteriology ..... 9 hours second half-year
Histology and Microscopical Anatomy ... 6 hours throughout the year
Comparative Vertebrate Anatomy ..... 3 hours first half-year
Vertebrate Embryology ..... 3 hours second half-year
Anatomical demonstrations and dissections throughout the year.

SECOND YEAR.

LECTURES AND RECITATIONS.

Physiology ..... 4 hours
Anatomy and Applied Anatomy ..... 4 hours
Pathology ..... 2 hours
Bandaging and Splints ..... 2 hours
Pharmacology and Materia Medica ..... 4 hours after March 1st
Physical Diagnosis ..... 1 or 2 hours last half-year

LABORATORY EXERCISES.

Physiology ..... 8 hours
Pathological Histology ..... 9 hours till March 1st
Demonstration in Gross Pathology ..... 1 hour
Pharmacology ..... 3 hours after March 1st

THIRD YEAR.

LECTURES AND RECITATIONS.

Pharmacology ..... 3 hours
Therapeutics ..... 3 hours
Obstetrics ..... 2 hours
Medicine ..... 3 hours
Surgery ..... 2 hours
Gynecology ..... 1 hour
Physical Diagnosis ..... 2 hours

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DIDACTIC AND CLINICAL LECTURES.

Medicine ..... 4 hours
Surgery ..... 6 hours
Nose, Ear and Throat ..... 1 hour
Dermatology ..... 1 hour

LABORATORY EXERCISES.

Pharmacology ..... 2-3 hours before February 1st
Applied Anatomy ..... 1 hour
Pathological Demonstrations ..... 1 hour
Clinical Laboratory ..... 4 hours

FOURTH YEAR.

Daily work in Dispensary Section, 1 to 3 p. m., Lakeside Hospital. Individual Assignment for ward cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught to Sections in second half-year. Exercises in Obstetric Mannikin taught to Sections Autopsies and Clinical Pathological material worked up throughout the year. No Sections to be detailed to Hospitals or Dispensaries in hours conflicting with schedule.

GENERAL CLINICS.

Medicine ..... 4 hours
Surgery ..... 6 hours
Gynecology ..... 2 hours
Obstetrics ..... As material offers

LECTURES.

Hygiene and Preventive Medicine ..... 2 hours
Jurisprudence ..... 1 hour

LECTURES, CLINICAL AND DIDACTIC.

Nervous Diseases ..... 1 hour
Pediatrics ..... 1 hour
Ophthalmology ..... 1 hour

Special clinics in medicine and surgery at St. Alexis or City Hospitals, two sections to half of class, two hours each per week.

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SCHEDULE OF SUBJECTS, DAYS AND HOURS, 1901-1902.

FIRST YEAR.

MONDAY—Histology Recitation, 9 to 10 a. m. Anatomy, 11 to 12 a. m. Dissections, 1:30 to 5 p. m., first half-year; second half-year, Bacteriological Laboratory.

TUESDAY—Chemistry, 8 to 9 a. m. Chemical Laboratory, 9 to 12 a. m. Dissections, 1:30 to 5 p. m

WEDNESDAY—Chemistry, 8 to 9 a. m. Histological Laboratory, 9 to 12 a. m. Comparative Anatomy and Embryology, 2 to 3 p. m. Dissections, or Anatomical Demonstration, 3 to 5 p. m., first half-year; Bacteriology, second half-year.

THURSDAY—Comparative Anatomy and Embryology, Laboratory, 8 to 11 a. m. Anatomy, 11 to 12 a. m. Dissections, 1:30 to 5 p. m.

FRIDAY—Chemistry, 8 to 9 a. m. Histological Laboratory, 9 to 12 a. m. Dissections, 1:30 to 5 p. m., first half-year; second half-year, Bacteriology.

SATURDAY—Chemical Laboratory, 8 to 12 a. m.

SECOND YEAR.

MONDAY—Physiology, 8 to 9 a. m. General Pathology, 9 to 10 a. m. Pathological Histology, 10 to 12 a. m. until March 1st; after March 1st, Pharmacology and Materia Medica, 10 to 12 a. m. Dissections, 1:30 to 3 p. m. Applied Anatomy, 4 to 5 p. m.

TUESDAY—Physiology, 8 to 9 a. m. General Pathology, 9 to 10 a. m. Pathological Histology, 10 to 12 a. m. till March 1st; after March 1st, Pharmacology and Materia Medica, 10 to 12 a. m. Dissections, 1:30 to 3 p. m. Anatomy, 3 to 4 p. m. Demonstration 4 to 5 p. m. Demonstration Bandaging, 5 to 6 p. m.

WEDNESDAY—Physiological Laboratory, 8 to 12 a. m. Dissection first half-year, 1:30 to 3 p. m.; Physical Diagnosis, second half-year, 2 to 3 p. m. Bandaging, 3 to 4 p. m.

THURSDAY—Physiology, 8 to 9 a. m. Demonstration Pathological Anatomy, 11 to 12 a. m. Pathological Histology, 9 to 11 a. m., first half-year. Pharmacology and Materia Medica, 10 to 12 a. m after March 1st. Dissection, 1:30 to 3 p. m. Applied Anatomy, 4 to 5 p. m.

FRIDAY—Physiology, 8 to 9 a. m. Pathological Histology, 9 to 11 a. m. Quiz in Pathology, 11 to 12 a. m.; after March 1st, Pharmacology and Materia Medica, 9 to 12 a. m. Dissection, 1:30 to 3 p. m.

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Anatomy, 3 to 4 p. m. Demonstration, 4 to 5 p. m. Demonstration Bandaging, 5 to 6 p. m.

SATURDAY—Physiological Laboratory, 8 a. m. to 12 m.

THIRD YEAR.

MONDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Demonstration Pharmacology, 1 to 2 p. m. Pharmacological Laboratory, first half-year, 2 to 4 p. m. till Jan. 19. Applied Anatomy, 4 to 5 p. m.

TUESDAY—Medical Clinic, 8:30 to 10 a. m., Lakeside Hospital. Surgical Clinic, 10 to 12 a. m., Lakeside Hospital. Physical Diagnosis, 2 to 3 p. m. Clinical Laboratory, 3 to 5 p. m.

WEDNESDAY—Medical Recitation, 8 to 9 a. m., Charity Hospital. Medical Clinic, 9 to 10 a. m., Charity Hospital. Surgical Clinic, 10 to 11 a. m., Charity Hospital. Principles of Surgery, 11 to 12 a. m., Charity Hospital. Dermatology, 2 to 3 p. m. Pharmacological Laboratory, 3 to 5 p. m. till January 19.

THURSDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Gross Pathology, Demonstration, 11 to 12 a. m. Physical Diagnosis, 2 to 3 p. m. Medicine, 3 to 4 p. m., Lakeside Hospital. Applied Anatomy, 4 to 5 p. m.

FRIDAY—Therapeutics, 8 to 9 a. m. Gynecology, 9 to 10 a. m. Clinical Laboratory, 10 to 12 a. m. Nose, Ear, Throat, 2 to 3 p. m., Lakeside Hospital. Medicine, 4 to 5 p. m., College Building.

SATURDAY—Medicine, 9:30 to 10:30 a. m., Charity Hospital. Surgical Clinic, 10:30 to 11:30 a. m., Charity Hospital. Principles of Surgery, 11:30 to 12:30 a. m., Charity Hospital. Attendance on Autopsies as specially arranged.

FOURTH YEAR.

MONDAY—St. Alexis Hospital Clinic, after Jan. 1st, 8 to 9:30 a. m. Obstetrics, 10 to 11 a. m. Clinical Laboratory and Ward Cases, 10 to 12 a. m. Dispensary, 1 to 3 p. m. Nervous Diseases, 3:30 to 4:30 p. m., Lakeside Hospital; after Jan. 1st, Tuesdays. Physical Diagnosis, 4:30 to 5:30 p. m. at City Hospital till Jan. 1st.

TUESDAY—Medical Clinic, 8:30 to 10 a. m., Lakeside Hospital. Surgical Clinic, 10 to 12 a. m., Lakeside Hospital. Dispensary, 1 to 3 p. m. Surgical Diagnosis, 3 to 4 p. m., Lakeside Hospital; after Jan. 1st, on Monday.

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WEDNESDAY—Medical Clinic, 9 to 10 a. m., Charity Hospital. Surgical Clinic, 10 to 11 a. m., Charity Hospital. Dispensary, 1 to 2 p. m. Pediatrics, 2 to 3 p. m., Lakeside Hospital. Hygiene and Preventive Medicine, 3 to 4 p. m.

THURSDAY—Clinical Laboratory and Ward Cases, 8 to 9 a. m , by sections. Obstetrics, 10 to 11 a. m. Gynecological Clinic, 11 to 12 a. m., Lakeside Hospital. Dispensary, 1 to 3 p. m. Medical Clinic, 3 to 4 p. m.

FRIDAY—Jurisprudence, 9 to 10 a. m. Surgical Clinic, 10 to 12 a. m., Lakeside Hospital. Dispensary, 1 to 3 p. m. Ophthalmology, 3 to 4 p. m., Lakeside Hospital. Hygiene and Preventive Medicine, 4 to 5 p. m

SATURDAY—Gynecological Clinic, 8 to 9:30 a m., Charity Hospital. Medicine, 9:30 to 10:30 a. m., Charity Hospital. Surgical Clinic, 10:30 to 11:30 a. m., Charity Hospital. Dispensary, 1 to 3 p. m. City Hospital Clinics, 2 to 5 p. m., to Jan. 1st.

DISPENSARY SECTIONS.

SECTION.	1	2	3	4	5	6	7
Oct. 7 to Nov. 2,	Eye	Paed.	Med.	N. D.	Surg.	Gyn.	N. E. T.
Nov. 4 to Nov. 30,	N. E. T.	Eye	Paed.	Med.	N. D.	Surg.	Gyn.
Dec. 2 to Jan. 4,	Gyn.	N. E. T.	Eye	Paed.	Med.	N. D.	Surg.
Jan. 6 to Feb. 1,	Surg.	Gyn.	N. E. T.	Eye	Paed.	Med.	N. D.
Feb. 3 to Mar. 1,	N. D.	Surg.	Gyn.	N. E. T.	Eye	Paed.	Med.
Mar. 3 to Mar. 29,	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye	Paed.
Mar. 31 to Apr. 26,	Paed.	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye

After Januury 1st sections will visit St Alexis Clinics according to special arrangement.

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DEPARTMENTS AND METHODS OF INSTRUCTION.

CHEMISTRY.

PROFESSOR HOBBS.

MR. EVANS.

Chemistry extends throughout the entire first year and consists of three hours of lectures and recitations and eight hours of laboratory work a week.

The course opens with a preliminary review on inorganic Chemistry and qualitative chemical analysis, which covers about two month's time, and the balance of the first half of the year is devoted to lectures on general organic Chemistry, chemical philosophy and quantitative chemical methods and allied subjects. The last half-year is devoted to lectures on special subjects, such as the chemistry of foods, their composition and analysis, animal secretions and especially the urine, both normal and pathological, and the general application of chemical methods in clinical examinations.

The laboratory work during the first half-year consists of a short course of qualitative chemical analysis, then the qualitative examination of the more common articles of food and animal secretions and the study of the various chemical reactions involved; also the preparation of some of the more common organic preparations. The last half of the year is devoted, mostly, to the quantitative chemical methods of analysis. The preparing of standard solutions and the quantitative chemical analysis of many of the food products and animal secretions, both under normal and diseased conditions. The laboratory work is all supplemented by a course of lectures involving full description of the laboratory methods.

Besides the regular course as above outlined, the special laboratory is open at all times for any extra or advanced work. It is completely equipped for any special work and every aid will be given to any who desire to avail themselves of its use.

ANATOMY.

PROFESSOR HAMANN.

DR. TIERNEY.

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations, recitations and quizzes. In order to facilitate the work in osteology, students of the first year are provided with separate portions of the skeleton, which

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they are permitted to take to their rooms for study. Three hours in recitations. and eight hours for dissecting, in suitable periods weekly, are given to anatomy during the first year. Students are required to dissect all parts of the cadaver at least once. For demonstrations upon the cadaver and anatomical preparations the second year class is divided into a number of small sections, whose meetings take the form of anatomical conferences rather than of formal demonstrations. Each individual student thus has an excellent opportunity for becoming familiar with the various parts of the body, and for receiving direct personal instruction. Four hours a week are given to lectures and recitations in the second year and ten hours a week to dissecting. In the third year instruction is given by lectures and recitations in applied anatomy.

HISTOLOGY AND EMBRYOLOGY.

PROFESSOR WAITE.

HISTOLOGY AND MICROSCOPICAL ANATOMY.

The course includes work upon the fundamental mammalian tissues followed by the study of the finer anatomy of the mammalian organs. The sections used are human tissue in large part, supplemented by tissue from other mammals. An essential part of the work is training in the standard methods of technique. Each student stains and mounts over two hundred sections which he later studies, describes and draws. He is required to carry a considerable number of tissues through all the steps of preparation, including removal from the animal, fixation by several methods, hardening, dehydration, infiltration, embedding in celloidin and in paraffin, sectioning, including serial sectioning, staining in toto, in sections and on the slide and mounting The rapid preparation with the freezing microtome and the special methods for blood examination are used.

The recitations supplement the laboratory work and aim to bring out those points which the student does not see in his sections. One recitation and six hours laboratory work per week throughout the Freshman year.

COMPARATIVE VERTEBRATE ANATOMY.

The aim of this course is to acquaint the student with the more important characteristics of the classes of vertebrates, and also to prepare for the experimental work in physiology. The student dissects, as carefully as the time will allow, representatives of the different classes of vertebrates. The lectures deal with the modifications of the

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several systems of organs in the vertebrate series and are supplementary to assigned reading in a standard text-book. One lecture and three hours laboratory work per week, first half Freshman year.

VERTEBRATE EMBRYOLOGY.

This course endeavors to instruct the student in the fundamental facts of vertebrate development. The laboratory work deals with cleavage and gastrulation, followed by the study of the development of the chick to the end of the fourth day. Certain later steps in the development of the pig are then studied. In the recitations emphasis is laid upon the development of the human embryo. One recitation and three hours laboratory work per week, second half Freshman year.

PHYSIOLOGY.

PROFESSOR STEWART.
DR. METZ.

The course includes two lectures, illustrated by diagrams and experiments, two conferences or quizzes, and eight hours laboratory work a week for each student throughout the second year.

For the practical work on mammals, which is made a special feature of the course, the class is divided into sections of four men; in experiments on frogs two men work together; in other experiments each man works for himself.

SYNOPSIS OF LABORATORY WORK.

BLOOD. Chemistry; coagulation; spectroscopic examination of hæmoglobin and its derivatives; other tests for blood-pigment; globulicides; enumeration of the colored and white corpuscles and estimation of the hæmoglobin in human blood; specific gravity.

CIRCULATION. Circulation in a frog's web; heart tracings; action of mammalian heart; action of vagus and sympathetic nerves on heart; action of muscarin and atropia on heart; action of valves of heart; cardiographic, sphygmographic and plethysmographic tracings; blood-pressure tracings; effect of stimulation of nerves (vagus, sciatic, depressor), of asphyxia, of supra-renal extract, of albumoses, of the position of the body, and of hæmorrhage and transfusion on the blood-pressure; section and stimulation of the cervical sympathetic; determination of the circulation time.

RESPIRATION. Respiratory tracings; effect of section and stimulation of nerves (vagi, sciatic, superior laryngeal) on respiration; measurement of heat and carbon dioxide given off in respiration; influence of

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respiration on the blood-pressure; influence of temperature on the respiratory centre.

DIGESTION AND ABSORPTION. Chemical and physiological properties of saliva, gastric juice, pancreatic juice and bile; effect of stimulation of the chorda tympani on the secretion of saliva; evacuation of stomach by tube or emetic to obtain normal chyme; gastric fistula; examination of fæces, time required for digestion and absorption of various food substances, etc.

URINE. Qualitative examination; quantitative determination of chlorides, phosphates, sulphates, urea, uric acid, total nitrogen, proteids, sugar.

METABOLISM. Glycogen; experimental glycosuria, including phlorhidzs in diabetes; variations in amount of urea with quantity of proteids in food: thyroidectomy.

MUSCLE AND NERVE. The various kinds of stimuli; the curve of muscular contraction; action of curare, veratria and supra-renal extract on the muscle-curve; influence of temperature, load and fatigue on the muscle-curve; seat of exhaustion in fatigue; superposition of stimuli; genesis of tetanus; velocity of the nerve impulse; chemistry of muscle.

ELECTROPHYSIOLOGY. Galvani's experiment; contraction without metals; secondary contraction; demarcation current and current of action; electrotonus; Pfluger's formula of contraction; Ritter's tetanus; positive and negative polarisation.

CENTRAL NERVOUS SYSTEM. Section and stimulation of nerve-roots; reflex action; action of strychnia; excision of cerebral hemispheres (in frog); stimulation of motor areas.

SPECIAL SENSES. Formation of retinal image; change of curvature of lens in accommodation; determination of near and far points of vision; mapping of the blind spot; effect of light, atropia and stimulation of cervical sympathetic on the pupil; Kühne's artificial eye; ophthalmoscopic examination of the eye; color mixing.

PHARMACOLOGY AND MATERIA MEDICA.

PROFESSOR SOLLMANN.

DR. HATCHER.

The course comprises 40 hours of lectures and recitations, and 30 hours of laboratory work in the last ten weeks of the second year; and 30 hours of laboratory and 100 hours of lectures and recitations in the third year.

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In the second year are taught the preliminary subjects of pharmacognosy, metrology and pharmacy, in as far as they are important for medical students; introduction to prescription writing, flavoring and materia medica of flavors; incompatibilities and solubilities; general principles of pharmacology; and the strychnia, caffein and picrotoxin groups. Outline lectures, illustrated by such experiments as can be profitably demonstrated to a class, are given on subjects previously assigned for reading. These are followed in the next lesson by recitations on the same topics. The laboratory work in this year is designed to familiarize the students with the chemical properties of important drugs, their incompatibilities, isolation and identification; action upon ferments, upon blood, etc.; chemical action of caustics; compounding of single prescriptions, etc.

The course in the third year comprises lectures and recitations on the action of drugs, their symptomatology, toxicology, therapeutical uses, and materia medica. Whilst the presentation of these subjects is based as far as possible upon experimental data, care is taken to point out the practical application of the ascertained facts, the course being intended as a foundation to clinical therapeutics. For this reason, occasion is also taken to bring together and compare those drugs which act upon the same organ or disease. For the main part, however, the drugs are arranged into large groups, the principal member of each group being studied in detail, whilst the less important are introduced incidentally. The arrangement of lectures, demonstrations and recitations is as in the second year. From time to time there are given exercises in prescription-writing, intended to familiarize the students with the methods of administering the substances which have been studied. The instruction in materia medica is confined to those facts which have a practical value to the medical student. An extensive collection of drugs is kept easily accessible.

The laboratory work is designed to illustrate the actions of important drugs upon animals. The experiments are arranged by methods rather than by drugs, the practical work being kept entirely separate from the lecture course. It serves in this way partly as a review of the latter. The results of the experiments are recorded in detail, the records being assigned to students for the preparation of papers which are read and discussed before the class, as far as time permits.

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PATHOLOGY.

PROFESSOR HOWARD.

DRS. PERKINS, PARKER AND DARBY.

Instruction in this department is given by lectures, laboratory work, and demonstrations of fresh and prepared specimens. The most important feature of this course is the laboratory work done by each student.

BACTERIOLOGY. DRS. PERKINS AND PARKER. Laboratory work in this course is given three half days a week from March 1 to the end of the first year. The subject is elucidated by informal lectures, demonstrations, and experiments on animals, as occasion requires. The student, after having prepared the various media required, is instructed in the principles of disinfection and sterilization, the bacteriological examination of air, water and soil, and the methods of cultivating, staining and studying bacteria. The pathogenic bacteria and various molds and yeasts are then studied. Altogether from thirty to thirty-five different micro-organisms are studied by each student. Students are trained in the employment of bacteriological methods in medical and surgical diagnosis, and those who prove themselves capable are permitted to pursue investigations along special lines, on subjects assigned them by the professor in charge.

PATHOLOGICAL HISTOLOGY. PROF. HOWARD AND DR. PARKER. The course comprises nine hours a week of laboratory work for the first five months of the second year. It begins with the study of the various forms of tissue degeneration and necrosis. This is followed by the study of inflammation in the frog's mesentery and in sections of hardened tissue, showing all the various forms of inflammatory processes. The infectious granulomata are then taken up, and the forms and special characters of the reaction of the tissues to the specific organisms of infectious diseases are demonstrated. The study of the various pathological processes is based upon their ætiology, and in addition to human tissues, the material from the experiments on animals in the bacteriological course is used for this purpose. The effects of bacterial and other toxines upon the tissues is taught in the same manner. Tumors are next considered. Based upon the above as a ground work, the pathological histology of the various organs and systems is studied. The use of fresh frozen sections of material derived from autopsies, the operating room and animal experiments forms an important feature of the course. Each student receives and is required to stain, mount, carefully study and draw from two hundred and fifty to three hundred sections.

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DEMONSTRATIONS OF GROSS PATHOLOGICAL ANATOMY. PROF. HOWARD, AND DRS. PARKER AND DARBY. Demonstrations are made to second and third year students from the large amount of fresh material derived from autopsies and from the surgical and gynecological clinics. Students are required to handle and describe specimens and to make diagnoses from the gross appearances, the macroscopical diagnosis of tumors being an important feature. The hospital connections of the laboratory are such that students can be trained in making autopsies and in writing protocols of the lesions found.

GENERAL PATHOLOGY. PROF. HOWARD. Two lectures a week are given to the second year class. In these lectures the various infectious diseases, immunity, the degeneration and regeneration of tissue, the ætiology of tumors, and the special pathology of the various organs and systems are considered.

ADVANCED AND SPECIAL WORK. A special room, well lighted and equipped, is provided for physicians and advanced students who wish to undertake special work in pathological histology, experimental pathology and bacteriology. The additions to the pathological laboratory at Lakeside Hospital include a large students' laboratory for systematic courses in bacteriology, pathological histology and clinical microscopy for second and third year students; a clinical laboratory for the examination of urine and other discharges, a room for the microscopical examination of blood, pus, urinary and other sediments, tumors, etc., and a separate room for the study of sputum, and fæces. Besides these there are two research rooms, two private rooms for assistants, and one preparation and store room. All these laboratories will be fitted not only with all necessary apparatus and fixtures, but all the work tables will be provided with electric lights.

CLINICAL LABORATORY.

DR. LADD.

The new clinical laboratory at Lakeside Hospital is thoroughly equipped with all the necessary apparatus for making complete examinations of the various secretions and excretions, normal and pathological; the blood, urine, sputum, gastric contents, fæces, etc.

Microtome for frozen sections and celloidin work and the various necessary stain and reagents are at the disposal of the students, they being required to apply the methods of technique taught in the laboratory in the study of special cases assigned to them in the hospital wards. A large room of the clinical laboratory is devoted exclusively to the fourth year class, and the main lecture room is devoted entirely

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to the third year class who are given systematic instruction throughout the session. The fourth year students are required to apply the knowledge thus gained in working up the cases assigned to them during the fourth year. Special rooms are equipped for the examination of sputum and making chemical tests; also a dark room is fitted up for doing polaroscopic and hæmoglobin work. A few rooms are available for the use of special workers, these rooms to be asigned at the discretion of the direetor of the laboratory. Microscopes and other instruments are available for the work in this department. The total laboratory capacity contains 2,600 square feet.

CLINICAL MICROSCOPY. Work in this departmeni will cover the third and fourth years. The third year work will comprise a systematic course, consisting of two laboratory exercises a week throughout the term, on blood, sputum, gastric juice, urine, fæces and pathological exudates.

The technique employed in doing paracentesis of the chest, abdomen and spinal canal; in taking throat, blood, bladder and uterine cultures as well as the further examination of the products obtained, will be carefully outlined.

The methods of preparing material obtained at the operating table for microscopical examination will be shown and each student required to do such work before the completion of his course. The object of this course is not only to cover the ground outlined above, but to prepare the student for independent work. In the fourth year the students will work in small groups in the room assigned to them and especially equipped for their use They will receive no systematic instruction, but will work under the direction and control of the instructor. Their work will consist of the examination of urine, blood, sputum, gastric juice, fæces, and purulent and other discharges from their ward and dispensary cases as well as of tumors and other material removed at operations. This work is obligatory, is done in connectiou with the students' own clinical cases, and is therefore thoroughly practical.

THERAPEUTICS.

PROFESSOR DARBY.

Therapeutics is taught during the third year. The teaching is done by means of lectures and quizzes, and is designed to give the student a thorough and practical knowledge of the mode of administration, action and use of remedies in the treatment of disease. Due attention is given to massage, electricity, dietetics and climatology.

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HYGIENE.

PROFESSOR ASHMUN.

One lecture a week on hygiene is given to the second year class. The course comprises a consideration of heredity; normal development of races; climatic and meteorological influences; essentials to life and health; effects of habits of life; symmetrical development of individuals; family and community sanitation.

OBSTETRICS.

PROFESSOR POWELL
DRS. CLARK AND THOMAS.

Instruction in this course begins with the third and continues through the fourth year, two lectures a week throughout each year. The plan includes didactic lectures, quizzes, practical demonstrations and bedside instruction. Lectures are illustrated freely by charts, diagrams, models and operations upon the mannikin. Students are required to become familiar with the use of the various obstetric instruments. The Senior class is divided into small sections and given practical work outside of schedule hours.

Each Senior student is expected to attend from three to five cases of labor under the supervision of the Professor of Obstetrics, or his assistant The work of the class is chiefly practical.

PHYSICAL DIAGNOSIS.

PROFESSOR HOOVER.
DRS. OSBORN, MERRIAM, SEASON AND MOOREHOUSE.

Physical diagnosis is taught in the second and third years. During the second year the student is taught to recognize and elicit all of the physical phenomena of the circulatory and respiratory organs and abdominal viscera that are demonstrable by inspection, palpation and auscultation. Pathological cases are shown only as they are found necessary for the demonstration and explanation of physiological signs. At the end of the year each student is required to demonstrate the normal physical signs of the thorax and abdomen. During the third year physical diagnosis is taught from pathological cases The students are required to demonstrate at every exercise, and are also given opportunity to practice in the dispensary and hospital wards. The final examination in this course is a practical one. Each student is required to examine a patient, describe the physical signs and make an eliminative physical diagnosis.

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THEORY AND PRACTICE OF MEDICINE.

PROFESSOR LOWMAN.

PROFESSOR SAWYER.

DRS. OSBORN, MERRIAM, SEASON, MOOREHOUSE, AND GEIB.

The teaching of medicine is done in the third and fourth years. Lectures, largely clinical, are given to both classes, and the largest possible number of students make direct observation of the patients presented. It is found that very often the whole class can individually verify the conditions described by the lecturer, and this plan has proved of great advantage in the presentation of the cases. The third year class will receive two hours per week in text book work, in which internal medicine not provided for in special departments will be covered in recitation and discussion. The same class has three hours of clinics, and is assigned to the individual study of select dispensary cases. Clinical laboratory drill is made a decided feature of this year's work In the fourth year the class is taught medicine by clinics, by drill in sections in the dispensary, by the assignment to ward cases, in connection with which the fullest use of the clinical laboratory will be insisted upon. Throughout the course thus outlined, the endeavor is made to develop not only the knowledeg of diseases and their diagnosis, but also to thoroughly consider the use of remedies.

SURGERY.

PROFESSOR ALLEN.

PROFESSOR BUNTS.

PROFESSOR CRILE.

DRS. BECKER, BRIGGS, HERRICK, GRIFFITHS, LOWER, AND BIRGE.

Surgery is taught by means of lectures and demonstrations. During the second year one hour weekly is devoted to the systematic instruction in the application of bandages, splints and in minor surgery. In addition to this the students are given practical drill, in sections, in the application of bandages and splints. During the third year the students receive two hours of lectures weekly upon the principles of surgery, and section work in Charity Hospital dispensary. A course of one hour a week is given in surgical diagnosis. The material from the dispensary of Lakeside Hospital is used for the latter course. There are at least four hours weekly devoted to public clinics and there is instruction of one hour weekly during a period of six months, in genito -urinary surgery. In addition to this a laboratory course has been arranged for the purpose of instruction beside that given during

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the second year in the line of general pathology. In this course students are taught to examine blood, and pus, to make cultures, to innoculate animals, to cut sections and make diagnosis of tumors and to perform personally all the laboratory work incident to the diagnosis of surgical cases. This course occupies, in conjunction with a similar course in clinical medicine, from four to six hours weekly during the entire year.

During the fourth year the student attends clinics six hours weekly. After January 1st, there is an additional clinic of one and a half hours weekly, in which instruction is given to sections of ten or twelve men. Optional clinics are given every Saturday afternoon from the beginning of the term until January 1st, at the City Hospital. A course is also given in operative surgery, utilizing all means necessary for the best development of instruction in this department. Throughout the fourth year, also, the student is given cases for examination and diagnosis, upon which complete reports are required. Provision is made in the clinical laboratory for the complete examination of these cases by all laboratory methods. The student is required to examine the blood, sputum, urine, fæces, to make sections and diagnosis of tumors and investigate infections, and to make exhaustive reports, which shall be compared with those made by the clinical staff of the various hospitals In addition to this the class ie divided into sections for daily work in the dispensaries. For the purposes of instruction the material is ample, clinics being given at Lakeside, Charity, St. Alexis and the City Hospitals.

GYNECOLOGY.

PROFESSOR ROBB.
PROFESSOR HUMISTON.
DRS. THOMAS AND SUNKLE.

Gynecology is taught by a weekly didactic lectnre, lasting one hour, and by supplemental quizzes during the third year; through the fourth year two hours a week are devoted to clinical instruction. The patients admitted to the wards of the Lakeside, Charity and City Hospitals for laceration of the perinæum and for vaginal, vesical, uterine, tubal and ovarian disease, will be shown either at the regular clinics in the amphitheatre or will be made the subjects of teaching at the bedside. Instruction will be given in the wards, so far as it is possible, upon the management of such cases during the period immediately following operation and during the period of convalescence. As a rule, each student will have an opportunity of performing some minor operation.

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The work in the dispensary at Lakeside and Charity Hospitals will include history-taking and the ordinary methods of examination, the diagnosis and treatment of cases. This instruction is given daily during the school year to the students of the fourth year. For this work the class is divided into sections, so that each student can receive individual attention. Students in turn will be permitted to examine patients, and suitable cases will be operated upon before the class.

DERMATOLOGY AND SYPHILOLOGY.

PROFESSOR CORLETT.

DR. CARTER.

Instruction in this department is given to the third and fourth year classes. Clinical lectures are given once a week to the third year students throughout the college year. It is the endeavor to cover the whole field of dermatology with these demonstrative lectures. When necessary lantern-slide plates and other illustrations are used to further elucidate the subject of diseases of the skin. During the course the class will be quizzed by the assistant in Dermatology.

The Senior class is divided into sections and given practical instruction in the clinics three times a week. Thus the common diseases of the skin, as well as many of the more rare forms, are studied and progress under treatment noted. Ample opportunity is given to apply dressings and each student is called upon to make diagnoses and outline courses of treatment under the immediate supervision of the instructor. Clinical material is abundant

DISEASES OF THE NOSE, THROAT AND EAR.

DR. INGERSOLL.

DR. LINCOLN.

DRS. CHILDS AND LARGE.

Didactic lectures on these diseases are given once a week during the third year. Clinical instruction is given during the fourth year and consists in daily work in the dispensary of Lakeside Hospital. Each section of the class is in turn given personal instruction in the use of instruments for examination and operation and also in the diagnosis and treatment of the various cases.

DISEASES OF CHILDREN.

PROFESSOR CUSHING.

DRS. CLARK AND THOMAS.

The instruction in this course, given in the fourth year, consists of a weekly clinical lecture and recitation, followed by a ward visit. Abundant illustrative material is obtained from the Lakeside Hospital dispensary and the children's ward.

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OPHTHALMOLOGY.

PROFESSOR MILLIKIN.

DRS. BRUNNER, HERRICK, AND SHACKELTON.

The method of instruction is largely clinical with didactic teaching interspersed. It is given to the Senior class. The class is divided into sections, each one being assigned in rotation to cases for examination in the dark room. Each student will be given cases for special study, and is expected to make a report upon them before the class, and will be subject to quizzing by members of the class and the instructor. The aim is to teach the diagnosis and methods of treatment of the external diseases of the eye, and to give a working knowledge of the uses of the ophthalmoscope. The eye department has separate wards in Lakeside Hospital in which students have opportunities for seeing work at the bedside. The class will be divided into sections for instruction with the ophthalmoscope, and for daily work in the dispensary rooms during the year. This department has abundant facilities, appliances and material. A large "dark room" with ten lights, a Javal-Schiötz Ophthalmometer, a perimeter, test cases and ophthalmoscopes for practical ophthalmology are provided. A Haab's magnet has recently been added to the equipment.

NEUROLOGY.

PROFESSOR UPSON.

DRS. SPENCE AND HUTCHINS.

Instruction in this branch of medicine is clinical and occupies one hour a week throughout the fourth year. In connection with the cases shown the class is instructed in the use of the different forms of electric current for diagnosis and treatment, and in other diagnostic methods. The material of the City Hospital is utilized from the beginning of the school year up to January 1. Cases of nervous diseases in the hospital proper are shown, and the class is taken through the wards of the Department of the Insane and instruction given in the different forms of mental disturbance. During the remainder of the year material for demonstration is drawn from the Neurological Clinic of the Dispensary and from the wards of Lakeside Hospital.

PREVENTIVE MEDICINE.

PROFESSOR ASHMUN.

This subject is taught by lectures and conferences, one hour a week during the fourth year. The course includes the pathology, natural history and methods of limiting the spread of infectious diseases; the

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duties and powers of public officers of health; value and methods of keeping vital statistics; the relation and duties of the physician to the public in matters relating to the public health, etc.

MEDICAL JURISPRUDENCE.

DR. CARTER.

Throughout the first half-year, one lecture a week is given to the fourth year class on the subject of Medicine in its relations to the existing laws, and to the various decisions, which are rendered from time to time in important medico-legal cases. Taking up the question of real and apparent death, homicide, wounds, survivorship, identity, the determination of stains, feigned diseases, life insurance, etc., and considering in brief the relationship existing between the law and the practice of medicine.

TEXT-BOOKS.

Chemistry—Witthaus, Bartley, Prescott and Johnson.

Anatomy—Gray, Morris.

Histology and Microscopical Anatomy—Böhm-Davidoff-Huber.

Comparative Anatomy—Kingsley or Wiedersheim.

Embryology—Heisler.

Bacteriology—Abbot, Sternberg, Lehmann and Neumann.

Physiology—Stewart's Manual; for reference, Schäfer's Physiology.

Pathology—Ziegler.

Pharmacology and Materia Medica—Sollmann.

Therapeutics—Wood, Brunton, Bartholow, Shoemaker, Butler, Schmiedeberg.

Medicine—Wood & Fritz, Strumpell, Osler.

Surgery—American Text-book of Surgery, Koenig's Surgery, Warren's Surgical Pathology.

Gynecology—Diseases of Women (Dudley), An American Text-book of Gynecology (Baldy), A Text-book on Gynecology (Reed), Practical Gynecology (Montgomery), Hart and Barbour's Manual of Gynecology. Books of reference, Pozzi, Fritsch, Aseptic Surgical Technique (Robb).

Obstetrics—Jewett, Reynolds, Davis, Hirst.

Dermatology—Crocker, Hardway, Jackson, Morrow's System of Dermatology, Corlett's Acute Exanthemata.

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Neurology—Church and Peterson, Dercum, Dana. Books of reference, Gowers, Berkley on Mental Diseases.

Ophthalmology—American Text-book, De Schweinitz, Norris and Oliver, Fuchs, Noyes.

Nose, Ear and Throat—American Text-book, Kyle, Politzer, Bacon, Buck, Coakley, Bishop.

Hygiene and Preventive Medicine—Stevensou and Murphy, Egbert, Abbot.

Physical Diagnosis—Vierordt's Medical Diagnosis.

Diseases of Children—Holt's Infancy and Childhood, Jacobi's Therapeutics of Infancy, Ashby and Wright.

Medical Jnrisprudence—Taylor's (A. S.) Medical Jurisprudence, Taylor's (A. N.) The Law in its Relation to Physicians.

EXAMINATIONS, 1902.

FIRST YEAR CLASS.

Comparative Vertebrate Anatomy—Tuesday, February 4th.

Embryology—Saturday, May 24th.

Histology—Monday, May 26th.

Osteology—Tuesday, May 27th.

Chemistry—Wednesday, May 28th.

Bacteriology—Thursday, May 29th.

SECOND YEAR CLASS.

Pathological Histology—Friday, February 28th.

Anatomy—Tuesday, May 27th.

Physiology—Practical, Wednesday, May 28th, 8 to 11 a. m.; 1 to 4, p. m. Written and oral, Thursday, May 29th, 8 a. m.

Minor Surgery—Saturday, May 24th.

Pharmacology—Practical, May 16th, 9 a. m. to 12 m. Written and oral, Friday, May 23d, 9 a. m. to 12 m.

Physical Diagnosis—Monday, May 26th.

THIRD YEAR CLASS.

Therapeutics—Monday, May 26th.

Pharmacology—Materia Medica, written and oral, 1:30 to 4:30 p. m., Tuesday, May 27th. Practical, Monday, January 19th, 1903, 1:30 to 3:30 p. m.

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Obstetrics—Thursday, May 29th.
Medicine—Wednesday, June 4th.
Surgery—Thursday, June 5th.
Pathology—Friday, June 6th.
Physical Diagnosis—Thursday, May 15th to 29th.
Gynecology—Saturday, May 31st.
Anatomy—Wednesday, May 28th.
Ear, Nose and Throat—Wednesday, June 4th.
Dermatology—Monday, June 2d.
Clinical Laboratory—Tuesday, June 3d.

FOURTH YEAR CLASS.

Neurology—Monday, May 26th.
Obstetrics—Tuesday, May 27th, 10 a. m.
Surgery—Tuesday, June 3d.
Physical Diagnosis—Thursday. May 29th.
Gynecology—Thursday, June 5th.
Ophthalmology—Friday, May 23rd.
Medicine—Saturday, May 31st.
Gynecology—Monday, June 2d.
Surgery—Wednesday, May 28th.
Medicine—Wednesday, June 4th.
Jurisprudence—Saturday, May 24th.
Hygiene and Preventive Medicine—Friday, June 6th.
Pediatrics—Tuesday, May 27th, 2 p. m.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a holiday vacation of two weeks, beginning on December 24th., there will also be a vacation of one week at Easter time. No College exercises will be held on Thanksgiving Day, Washington's Birthday or Decoration Day.

SITUATION OF BUILDINGS.

The Medical College stands at the corner of Erie and St. Clair Streets, about five minutes' walk from the center of the city.

The Lakeside Hospital fronts on Lake Street, corner of Muirson Street—five minutes' walk from the college. St. Vincent's Hospital (Charity) fronts on Perry Street, corner of Central Avenue. The Home of Maternity is on Marion Street, in the rear of St. Vincent's. The City Hospital fronts on Scranton Avenue, and is reached by either Jennings Avenue or Pearl Street and Brooklyn cars. The Medical Library building is at 586 Prospect Street.

ENDOWMENTS.

This College is indebted to the Perry-Payne Family for the valuable ground upon which its buildings have been erected, as well as for other generous assistance from time to time. In addition there are the following special funds:

The John L. Woods Fund.
The H. B. Hurlbut Fund.
The John Huntington Fund.
The John A. Vincent Fund.
The H. Melville Hanna Fund.
The Leonard Hanna Endowment for the Chair of Clinical Microscopy.

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It is also under a lasting bond of gratitude and obligation to other generous donors of funds for the erection of buildings, and the endowment and equipment of laboratories and dispensaries, who have permanently increased its resources and advantages to students of medicine.

LIBRARIES.

The Free Public Library, 175,000 volumes, Case Library, 50,0000 volumes, Hatch Library, 50,000 volumes, and the library of the Cleveland Medical Library Association are accessible to students of this College, and, with the exception of the Hatch Library, are within a few minutes' walk of the Medical College. By special arrangement of the Faculty members of the Senior class of this College may have the reading privileges of the Medical Library Association's books and journals during the year. This Library now has on its shelves more than 8,000 bound volumes, and one hundred and fifty Medical Journals on file in the reading rooms. There are more than two hundred volumes of modern text-books and medical works. In addition there are small working libraries in the laboratories of the College itself.

LABORATORIES.

CHEMISTRY.—A chemical laboratory building with over six thousand five hundred square feet of floor space, has been erected to the south of the main college building, and in connection with it. The laboratories are thoroughly equipped for all the details of the course, and each student has a separate desk assigned him with a general supply of apparatus. Extra and special apparatus is furnished upon requisition. A special laboratory has been furnished for the work of advanced students, and every effort made to make it as complete as possible, with facilities for original and special work.

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ANATOMY.—The dissecting room is well lighted with electricity, heated and ventilated and provided with modern appliances. The anatomical rooms have about three thousand square feet of floor space. Anatomical material is preserved at all seasons of the year.

HISTOLOGY AND EMBRYOLOGY.—The laboratory is well lighted by a north and east exposure, with means for artificial light on dark days. Enough Leitz microscopes are owned so that each student has one for his individual use, available at all times. There is a good equipment of microtomes, ovens, glassware, stains and reagents.

BACTERIOLOGY.—The work in bacteriology is carried on in the pathological laboratory. Students are required to provide their own material for drawings. Microscopes, culture media and animals are provided without charge, and material for staining and mounting specimens, to be retained by students at cost. The laboratory has the benefit of excellent lighting with space for individual work.

PHARMACOLOGY.—There is a large, well-lighted laboratory of two thousand one hundred square feet, devoted exclusively to this subject and fitted up for animal and chemical work. Apparatus and material are furnished without extra charge. The laboratory is open for advanced work in this department. A special laboratory for research has just been added.

PHYSIOLOGY.—The teaching laboratories comprise three well-lighted rooms with an aggregate floor space of nearly four thousand square feet. The room for experimental physiology is fifty by thirty feet, the room for chemical physiology measures thirty-five by thirty feet, and the lecture room, devoted exclusively to physiology, is capable of accommodating one hundred and forty students. The equipment for teaching practical physiology permits more than forty students to work in a class at one time, some in

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the chemical and some in the experimental room. Several separate rooms are available for research. There is also a dark room and workshop.

PATHOLOGY.—The pathological laboratory occupies the entire west third floor, two thousand four hundred square feet, and has in addition a special room for research work, a museum and a professor's room. The teaching laboratory room, two thousand three hundred square feet, is on the east fourth floor, and affords each student separate locker and ample table space. Apparatus, instruments and teaching materials are provided without extra charge.

A NEW CLINICAL LABORATORY.—During the past summer a new clinical laboratory has been completed at Lakeside Hospital, of sufficient size to accommodate an eutire class. This provides the students with greatly increased facilities for the examination of secretions and excretions, sputum, purulent and other infections, blood, urine, stomach contents, stools, etc., and permits them to make personal examinations of tumors and other pathological specimens. This work is a part of the regular instruction in the third and fourth years and greatly increases the efficiency with which the clinical work of these years is performed. Microscopes and other instruments are available for the work in this department.

MUSEUMS.

Rooms in the College building are set apart for the preservation of anatomical and pathological preparations, casts and specimens. Persons not connected with the College who have specimens they wish preserved can place them in these rooms, with the owners' name attached and such histories, descriptions or remarks as they choose to give, respecting them. A very complete museum of Materia Medica is kept accessible to the students.

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HOSPITALS.

LAKESIDE HOSPITAL.—The new Lakeside Hospital occupies a plot of ground four hundred feet long by three hundred and eighty feet deep, on the bank overlooking Lake Erie, about five minutes' walk from the College building. It affords accommodation for two hundred and fifty patients. The staff is composed of members of the Faculty of this College. The hospital has an amphitheatre seating about two hundred students for the surgical classes, and a smaller one with a seating capacity of over one hundred for the medical classes. On the third floor of the dispensary building are two lecture rooms, each capable of seating fifty to seventy-five students. There are eighteen resident assistants for the departments of surgery, gynecology, medicine, ophthalmology, children's diseases, pathology, etc. These positions are open to the graduates of this College, and afford great opportunities for practical work.

There is in process of erection and now nearly completed a pavilion for infectious and contagious diseases, having four small wards, with every facility for the proper care and study of these diseases.

ST. VINCENT'S (CHARITY) HOSPITAL.—This is one of the oldest and best known institutions in the city and state. It has between seventy-five and one hundred beds. The staff is selected by the faculty, and the clinical material of the hospital is utilized for instruction in this College. There are four hospital positions open each year to the graduates of this College only.

This hospital is just adding a complete new wing for the accommodation of female patients. This will add about sixty beds, besides operating pavilion and recovery rooms, to the capacity of this institution. A complete dispensary department is added in the basement of this wing, with all facilities for the care of out-door patients.

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CITY HOSPITAL.—This institution is under municipal control. It accommodates one hundred and fifty to one hundred and seventy-five patients continually in the adult department and has a new building for children, with one hundred beds, besides operating rooms, pathological laboratory, etc. From September to January regular clinics in medicine, gynecology, surgery, neurology and cutaneous and venereal diseases are given here by members of this faculty. The insane department of this hospital affords material for clinical instruction in mental diseases. Frequent autopsies are held and abundant material for pathological demonstrations obtained. The resident staff is selected by competitive examination, and the students of this College are eligible.

HOME OF MATERNITY.—This is a department of Charity Hospital, with a separate building, devoted to the care of women during their confinement and of mothers and children. From one hundred to one hundred and fifty cases are received annually, the members of the Senior class being assigned to them in rotation, so that each student sees from two to five cases of labor under the supervision of the Professor of Obstetrics, who has charge of the department with its children's ward.

CLINICAL FACILITIES.

The clinical facilities of this College comprise, throughout the course, the two hundred and fifty beds at Lakeside Hospital, one hundred and fifty beds of Charity Hospital, the Dispensaries at Lakeside and Charity Hospitals, the Maternity and Children's Home, and the two hundred and seventy-five beds of the City Hospital during four months of each year.

RESIDENT PHYSICIANS.

From twenty-five to thirty resident positions are open to the graduates of the College in the hospitals of the city.

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Of the class graduating in 1901, twenty men received hospital appointments.

HOSPITAL SERVICE.

LAKESIDE HOSPITAL STAFF.

Medicine—DRS. H. H. POWELL, J. H. LOWMAN, H. S UPSON, E. F. CUSHING.

Surgery—DR. D. P. ALLEN; DR. G. W. CRILE, Associate.

Ophthalmology—DR. B. L. MILLIKIN.

Gynecology—DR. H. ROBB.

Dermatology—DR. W. T. CORLETT.

Pathology—DR. W. T. HOWARD, JR.

CHARITY HOSPITAL STAFF.

Consulting Physicians—DRS. G. C. ASHMUN, B. W. HOLLIDAY, J. H. LOWMAN.

Consulting Surgeons—DRS. G. C. E. WEBER and D. P. ALLEN.

Consulting Ophthalmologist—DR. B. L. MILLIKIN.

Consulting Dermatologist—DR. W. T. CORLETT.

Consulting Gynecologist—DR. H. ROBB.

Visiting Physicians—DRS. H. J. LEE, J. E. COOK, J. P. SAWYER, T. A. BURKE.

Visiting Surgeons—DRS. F. E. BUNTS and C. A. HAMANN.

Visiting Gynecologist—DR. W. H. HUMISTON.

Visiting Ophthalmologist—DR. W. E. BRUNER.

Pathologist—DR. W. T. HOWARD. JR.

HOME OF MATERNITY.

Obstetrics—DR. H. H. POWELL.

CONSULTING STAFF AT CITY HOSPITAL.

Medicine—DRS. J. H. LOWMAN and J. E. DARBY.

Surgery—DRS. D. P. ALLEN and F. E. BUNTS.

Obstetrics—DR. H. H. POWELL.

Neurology—DR. H. L. SPENCE.

Gynecology—DR. W. H. HUMISTON.

Dermatology—DR. W. T. CORLETT.

Pathology—DR. W. T. HOWARD, Jr.

Ophthalmology—DR. W. E. BRUNER.

Laryngology—DR. J. M. INGERSOLL.

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VISITING STAFF.

DRS. C. F. HOOVER and C. A. HAMANN.

DISPENSARIES.

Free Dispensaries are maintained at Lakeside and Charity Hospitals with daily service except Sundays. These college dispensaries were established on the Hurlbut and Huntington Funds and afford treatment to about ten thousand new cases annually.

LAKESIDE HOSPITAL SERVICE.

Medicine—DR. J. H. LOWMAN, Director; DRS. E. H. SEASON, G. W. MOORHOUSE, Physicians in Charge.

Surgery—DR. D. P. ALLEN, Director; DRS. H. A. BECKER, CHAS. E. BRIGGS, and R. H. BIRGE, Surgeons in Charge.

Obstetrics—DR. H. H. POWELL, Director; DR. F. S. CLARK, Obstetrician in Charge.

Diseases of Children—DR. E. F. CUSHING, Director; DRS. F. S. CLARK, J. J. THOMAS, Physicians in Charge.

Gynecology—DR. H. ROBB, Director; DR. R. H. SUNKLE, Gynecologist in Charge.

Nervous Diseases—DR. H. S. UPSON, Director; DR. H. L. SPENCE, Neurologist in Charge; Dr. F. C. HUTCHINS, Assistant.

Ophthalmology—DR. B. L. MILLIKIN, Director; DR. W. E. BRUNER, Ophthalmologist in Charge; DRS. H. J. HERRICK, WM. E. SHAKLETON, Assistants.

Dermatology and Syphilis—DR. W. T. CORLETT, Director and Physician in Charge; DR. E. P. CARTER, Assistant.

Diseases of Nose, Ear and Throat—DRS. J. M. INGERSOLL and WILLIAM R. LINCOLN, Surgeons in Charge; DRS. L. W. CHILDS, S. H. LARGE, Assistants.

CHARITY HOSPITAL SERVICE.

Medicine—DR. J. P. SAWYER, Director; DRS. W. O. OSBORNE, W. H. MERRIAM, FRANK J. GEIB, Physicians in Charge.

Surgery—DR. F. E. BUNTS, Director; DRS. FRED C. HERRICK and T. E. GRIFFITHS, Surgeons in Charge.

Gynecology—DR. W. H. HUMISTON, Director; O. T. THOMAS, Gynecologist in Charge.

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HOME OF MATERNITY.

Obstetrics—DR. H. H. POWELL, Director; DR. J. J. THOMAS, Obstetrician in Charge; DR. EUGENE O. HOUCK, Assistant.

DISPENSARY APPOINTMENTS.

Members of the third year class remaining in the city during the summer, may be appointed for practical work in the Dispensary, in sections, by applying to the Dean.

SUMMER COURSES.

Students or practitioners of medicine who desire to take special work in the laboratories and in the clinics, may arrange for summer courses by applying to the Dean or the heads of the various laboratory departments.

EXPENSES.

The fees are $125 a year. This amount includes payment for tuition and all laboratory expenses. except the price of anatomical material, breakage and use of oil immersion microscopes, and is due before October twentieth of each year. Students who prefer may pay $75 by October twentieth, and $55 by March fifteenth of the college year. No student shall be permitted to present himself for examination in any branch who has not paid all dues and liabilities. Students who wish to pay for the entire four years' course by October twentieth of their first year, will be allowed a reduction of $50 on the whole amount. A deposit of $2 is required from students in each of the laboratories at the outset, in addition to the tuition fee, to cover breakage. The unused balance of such deposit is returned at the end of the session. A rental of $5.00 per year will be charged for the use of oil immersion microscopes, the students having full use of these instruments during their entire year. Students who prefer may furnish their own microscopes.

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Good board can be procured at from three to five dollars a week, and furnished rooms at from five to ten dollars a month. By forming "clubs" students are able to bring their living expenses considerably below these prices. The janitor at the College building keeps a list of boarding houses for the convenience of students. By an arrangement with Goodrich House, which stands within one block of the College, a gymnasium, with bathing accommodations, is available to the students at a very small cost. At the Y. M. C. A. building, which is near, similar opportunities are afforded.

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APPENDIX.

CLASS EXAMINATIONS, 1901.

HISTOLOGY.

1. Stain, mount, identify, draw and describe fully the specimens A, B, C, D. [A was lymph gland; B, cerebellum; C, large intestine; D, ovary].

2. Identify the stained and mounted specimens 1 to 7. [These were: 1, bone; 2, cardiac end of stomach; 3, thyroid; 4, mucous salivary gland; 5, transverse section of nerve; 6, cerebrum; 7, cornea].

CHEMISTRY.

1. What is Chemistry? Name fifteen of the elements and give the atomic weight and quantivalence of each.

2. Give a general description of the manufacture of sulphuric acid; and how much acid can be obtained from one ton of gelma, which assays 98% Pf. S

3. Give the general analytical separation of the metals and the members belonging to each group.

4. How would you proceed in a case of arsenical poisoning?

5. What are some of the more important acids of phosphorus, giving the formula and molecular weight of each?

6. What two classes of mercury salts are there and describe some of the most important salts of each?

7. A volume of oxygen measures 1200 C. C. at 4° C. and at a higher temperature the volume was observed to be 1460 C. C., what was its final temperature?

8. What are some of the most important salts of sodium; give formulas, molecular weights and methods of preparation of each?

9. What elements constitute the Halogen Group? Describe each of them.

10. What are acids, bases and salts, and how much oxygen, by volume, measured at 20° C. and 720 m. m. pressure, can be obtained from 30 grains of potassium chlorate?

The examination in the Laboratory consisted in the analysis of three solutions, containing not less than four unknowns each.

ORGANIC CHEMISTRY.

1. What is Organic Chemistry, and into what general groups are the organic compounds divided? Give illustrations of each.

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2. A certain organic compound was analyzed and analysis gave results as follows: C=61.32%; H=5.09%; O=23.37%; N=10 22%. The V. D.=68.5.

3. What grouping of elements represent the following list of compounds, and give illustrations of each: Hydrocarbons, ethers, esters, ketones, aldehydides, acids, bases; primary, secondary, and tertiary alcohols; phenoles, hydrazones, azo, diazo, and amides.

4. What is fermentation and how does it differ from putrefaction?

5. What are the Carbohydrates? Give the general classification and examples of each group.

6. What are fats, and describe the process of saponification and the products formed?

7. Give a list of the di-and triatomic phenoles.

8. What is benzoic aldehyde and how can it be converted into the corresponding acid and alcohol? Give the formula of each.

9. How can benzole be obtained from carbon? Show the various chemical processes.

10. What are some of the ptomaines belonging to the paraffine series, giving their formulas? What are some of the groups of color bases derived from the phenoles?

BACTERIOLOGY.

1. Into what groups were the micro-organisms studied in this course divided? Name a member of each group.

2. Classify bacteria morphologically. Where are they found in nature and what are their functions?

3. Name the bacteria that most commonly cause inflammation.

4. Describe the morphological and cultural characters of B. typhosus, and name the points in the affirmative diagnosis between it and B. coli-communis.

5. Describe morphological and cultural characters of (*a*) Pyocyaneus; (*b*) B. prodigiosis.

6. Describe the morphological and cultural characters of Sp. chaloral and state the difference between it and Sp. melschordovi.

7. Name all the bacteria you studied which (*a*) were morphological; (*b*) stained by Grams, and (*c*) liquified gellatine.

8. Describe ardium albicans.

ANATOMY.

Examinations in anatomy are oral.

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PHARMACY.

1. Name the different vessels used for measuring fluids, and state the advantages of each.

2. Express in the metric system: 2 pints; 6 ℥ troy; 12 minims.

3. How can you hasten (*a*) solution? (*b*) evaporation?

4. Define: (*a*) Gum; (*b*) Gum-Resin; (*c*) Resin; (*d*) Alkaloid; (*e*) Glucoside; (*f*) Cellulose; (*g*) Fatty oil; (*h*) Essential oil; (*i*) Eleoptene; (*k*) Starch.

5. (*a*) What is an ointment? (*b*) What substances may be used as the base? (*c*) What are the advantages of each?

6. Define: (*a*) Pilula; (*b*) Pulvis; (*c*) mucilago; (*d*) Extractum fluidum; (*e*) Mistura.

MATERIA MEDICA.

1. Define Materia Medica; Pharmacy; Pharmacology; Therapeutics.

2. Define a medicine; a remedy; a poison.

3. By and through what avenues can medicines enter the body?

4. What conditions may modify the action of medicines?

5. Define an astringent; a cathartic; an emetic; a diaphoretic; an emenogogue; a diuretic; a tonic; a stimulant.

6. Opium: (*a*) describe; (*b*) its source; (*c*) its active principles; (*d*) preparations; (*e*) dose of each; (*f*) action; (*g*) use.

7. Describe tannic acid; boric acid; hydrochloric acid; hydrocyanic acid; properties and dose of each.

8. Aconite: (*a*) active principles; (*b*) preparations and dose of each; (*c*) action and use.

9. Same of Belladonna.

10. Same of Cinchona.

PHYSIOLOGY.

(WRITTEN EXAMINATION).

1. Enumerate the factors concerned in maintaining the blood-flow in the veins. What are the characteristics of the circulation in the arteries, capillaries and veins respectively? State clearly the reasons for these characteristics.

2. What gases can be extracted from blood? By what methods can they be extracted and in what amounts? How are the gases distributed in the blood? In what chemical or physical condition do they exist in it?

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3. Give as full account as you can of intestinal digestion. Are bacteria essential for this part of digestion? Give reasons for your answer.

4. What is meant by the "circulation of the bile?" Where is iron found in the body? What is its source? and its fate? What evidence is there that bile-pigment is derived from blood-pigment?

5. State fully the effects of removal of (*a*) the pancreas; (*b*) the thyroid; (*c*) the spleen; (*d*) the salivary glands. What are the effects of intra-venous injection of extracts of the supra-renal gland?

6. Describe fully the histological and physiological effects of hemi-section of the spinal cord in the mid-dorsal region.

7. What evidence is there that the Rolandic area has sensory functions?

8. What is (*a*) irregular; (*b*) regular astigmatism? To what are they due?

PHYSIOLOGY.

(PRACTICAL EXAMINATION).

Two of the following experiments were assigned to each student after entering the examination room. The candidate is supplied only with such apparatus or reagents as he may ask for.

1. Prepare and demonstrate haemoglobin crystals.

2. Prepare and demonstrate haemin crystals.

3 Estimate the quantity of urea in the specimens of urine A and B.

4. Prepare glycogen, and demonstrate same.

5. Determine what ferments, if any, are present in solutions A and B. [A was saliva; B, gastric juice].

6. Determine the amount of any pathological substance in the specimen of urine furnished. [Contained glucose 3%].

7. Take tracing to show effect of stimulation of frog's vagus on the heart.

8. Take tracing to show the composition of tetanus.

9. Insert a gastric canula, and obtain pure gastric juice, from the animal provided.

10. Demonstrate, by stimulation of a nerve, pupillary dilatation.

11. Demonstrate the effects of stimulation of the cortical motor areas in the mammal provided.

12. Take tracing to show increase of respiration upon stimulation of some nerve.

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PATHOLOGICAL HISTOLOGY.

The examination in pathological histology consisted in the thorough description and interpretation of three unknown sections.

GROSS PATHOLOGICAL ANATOMY.

The examination in this branch is oral.

GENERAL PATHOLOGY.

An oral examination. The questions included the following subjects: The general principles of pathology, the etiology of infectious and non-infectious diseases, the portals of entrance of micro-organisms into the body, the bacterial flora of the body, the bacteria of wound infection, immunity, antitoxins, the etiology and pathological anatomy of typhoid fever, tuberculosis, diphtheria, syphilis, pneumonia, arterio-sclerosis, the pathology of the circulation, etc.

THERAPEUTICS.

1. How do antipyretics control temperature and illustrate each class.

2. Alcohol: (*a*) its changes, if any, in the body; (*b*) destiny; (*c*) its influence on digestion; (*d*) circulation; (*e*) blood; (*f*) tissue change; (*g*) indications for use.

3. Opium: (*a*) describe; (*b*) active principles; (*c*) preparations; (*d*) dose of each; (*e*) action; (*f*) synergists as anodynes (*g*) as antiphlogistic; (*h*) as hypnotic.

4. Symptoms and treatment of opium poisoning.

5. Digitalis: (*a*) how and why is it a heart tonic; (*b*) a diuretic; (*c*) indications for use and preparations to be used in each case and why?

6. Quinine: Illustrate its use; (*a*) as tonic; (*b*) as antiperiodic; (*c*) as antipyretic; (*d*) as oxytocic.

7. Anaesthesia: (*a*) local; (*b*) general; (*c*) means and methods of producing; (*d*) sources of danger.

8. Belladonna (*a*) active principles; (*b*) preparations and dose of each; (*c*) action; (*d*) indications for use; (*e*) symptoms and treatment of poisoning.

9. Ergot: (*a*) action; (*b*) indications and contraindications for use in obstetrics.

10. Outline the treatment of pneumonia.

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PHARMACOLOGY.

(WRITTEN).

1. Write a prescription for a diuretic mixture containing: (*a*) a drug stimulating the renal cells; (*b*) one acting as a salt or alkali; (*c*) as an organic irritant; (*d*) as a cardiac tonic; (*e*) flavor, vehicle, etc. Write the names without abbreviations, and give the quantities in both metric and apothecaries' systems.

2. Describe the different ways in which antipyretics may act, and the ways of differentiating between these. Give examples.

3. Discuss the theoretical basis of the action of potassium iodide.

4. Name one or more drugs which may be employed to secure: (*a*) stimulation of the arterial muscle; (*b*) paralysis of arterial muscle; (*c*) paralysis of vagus ganglia; (*d*) stimulation of vagus center; (*e*) stimulation of cerebral cortex.

5. Name six of the most important emetics, stating dose for adults (metric system).

6. Discuss *fully* the pharmacology, symptoms, antidote, and therapeutics of *one* of the following drugs: Aconite, Acids, Mercury.

PHARMACOLOGY.

(PRACTICAL EXAMINATION).

Each student performed a chemical experiment, and one on a frog and a mammal.

CHEMISTRY: Determine by chemical tests whether solutions R, S, T, contain strychnine, codeine, or morphine; U, quinine, veratrine, or atropine; V, a formate, oxalate, or cyanide; W, an alkaloid.

Demonstrate the effect of the solutions X, Y, and Z on the ferment action of saliva.

FROG: Inject 1% of solution G into a frog; describe the symptoms and diagnose the poison. Determine by physiological tests whether solution I or K contain cocaine. Demonstrate the effects of solution L on maximal load lifted by frog's muscle. Demonstrate effects of solution M upon excitability of muscle and nerve; does it possess a curare action? Demonstrate and describe the effects of solutions N, O, P, or Q, applied to the frog's heart in situ; to what group does the poison belong?

MAMMALS: (*a*) Insertion of tracheal and carotid canulae. (*b*) Anaesthetic. Insertion of canulae into ureter. Intravenous injection of normal saline on flow of urine. (*c*) Preparation of manometer for tracing. Insertion of vein canulae. Effect solution A on flow of urine. (*d*) Ap-

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paratus for respiratory tracing—effect of solution A. (*e*) Blood pressure tracing with solution A. Insertion of femoral canulae. (*f*) Solution A on venous pressure. Apparatus for pressure injection. (*g*) Solution B on blood pressure tracing. Apparatus for cardiomyogram. (*h*) Respiratory tracing with solution B. Pressure tracing with solution C.

[A=Caffeine; B and G=Strychnine; C=Nitroglycerine; I=Cocaine; L=Caffeine 1-1000; M=Quinine 1-10000; N=Aconite 1-25; O=Digitalis 1-25; P=Veratrine 1-200; Q=$BaCl_2$ 1-100; R=Strychnine 1-500; S=Morphine 1-100; T=Codeine 1-100; U=Atropine 1-100; V=HCN 1-1000; W=Quinine 1-10000; X=Carbolic 5%; Y=Alcohol 10%; Z=$HgCl_2O$.2%].

DERMATOLOGY.

1. Give symptoms of, and treatment of impetigo.

2. Mention the main points of distinction between lupus vulgaris and a tubercular syphilide.

3. What is acne? Give chief distinguishing features and the treatment of acne simplex.

4. Herpes zoster, its symptoms, etiology, course and treatment.

5. Discuss the treatment of syphilis; (*a*) During the first year of the disease; (*b*) After the disease has existed many years and is accompanied by deep ulceration and loss of structure.

NOSE, THROAT, AND EAR.

1. Discuss the physiology of the nose.

2. Discuss epistaxis.

3. Discuss otitis media acuta.

1. Describe tuberculosis of larynx.

2. Describe symptoms and treatment of acute folecular tonsillitis.

3. Give treatment and symptoms of chronic pharyngitis.

PHYSICAL DIAGNOSIS.

Examination in physical diagnosis is oral and clinical.

GENITO-URINARY DISEASES.

1. Give the etiology of gonorrhea and the treatment you would employ during the acute stage.

2. What is paraphimosis, and when would you consider it necessary to relieve the condition? How would you proceed to do this?

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3. Give the principal causes, and the treatment of epididymitis.

4. What treatment would you adopt in acute cystitis?

5. Give the etiology of organic urethral stricture.

SURGICAL PATHOLOGY.

1. Name (*a*) six bacteria common to surgery; (*b*) their origin and usual mode of infection and clinical manifestation.

2. Define (*a*) fever; (*b*) name and define the grades of surgical fever.

3. What is the difference between simple and infective inflammation? Outline process of repair.

4. Name chief points of differential diagnosis of tubercular lesions of skin and mucous membranes with reference to non-tubercular lesions.

5. What is (*a*) a benign tumor; (*b*) a malignant tumor; (*c*) define sarcoma, carcinoma. Give two clinical examples of each with diagnosis.

MEDICINE.

DR. LOWMAN.

1. Jaundice: (*a*) Definition; (*b*) Symptoms; (*c*) Distinction between obstructive and toxic jaundice; (*d*) What is grave jaundice? (*e*) Causes of obstructive jaundice? (*f*) Test for bile in the urine and blood.

2. Typhoid Fever: (*a*) What is the diagnostic value of the serum reaction? (*b*) What is the diagnostic value of the diazo reaction? (*c*) Describe the method of making the above tests; (*d*) What is the value in diagnosis of iliac tenderness, chills, hemorrhage, white blood count, temperature? (*e*) What is the peculiar behavior of the tongue, abdomen, bowels, liver, pulse, skin, spleen in typhoid fever? (*f*) State immediate causes of death in typhoid fever.

3. Pneumo-pyo-thorax: (*a*) Differential diagnosis; (*b*) Causes; (*c*) Treatment.

4. Mitral Stenosis: (*a*) What is the form of the heart as outlined by percussion in M.-S.? (*b*) What murmur is present and how is it caused? (*c*) What is the behavior of the heart as to rhythm and force? (*d*) What are some of the remote systemic effects?

5. Rheumatism: (*a*) Name different forms; (*b*) Describe the course of acute articular rheumatism; (*c*) What are the chief dangers and complications? (*d*) Treatment in full?

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MEDICAL JURISPRUDENCE.

1. Given the hand of a dead body, how can we determine the height of the body to which it belongs?

2. What is the most important sign of death by suffocation?

3. By what signs can we determine the probable length of time which has elapsed since death occurred?

4. How can we distinguish between wounds inflicted anti- and postmortem?

5. What important point is of value in distinguishing between postmortem decomposition, and lesions produced by poisons?

6. What conditions retard putrefaction?

7. Describe in general the gross appearances of a body putrefying in air, soil, and water?

8. What are the signs of death by drowning?

9. What is the most reliable test for a suspected blood stain, and upon what does it depend?

10. Of what value is the detection of red blood corpuscles in a suspected stain?

11. How soon after death does cadaveric rigidity set in, and how long does it last?

12. Is it always possible to determine the exact moment of death in a medico-legal sense?

SURGERY.

DR. ALLEN.

1. Carcinoma Mammae: (*a*) Diagnosis; (*b*) Treatment; (*c*) Method of operation; (*d*) Prognosis.

2. Hernia: (*a*) Name varieties; (*b*) Diagnosis of inguinal hernia; (*c*) Treatment of inguinal hernia; (*d*) Describe two operations.

3. Fistula in ano: (*a*) Causes of same; (*b*) Treatment and care.

4. What may cause collections of fluid in pleural cavity? Name the same and by what methods these may be treated.

5. What may cause oedema of a single lower extremity?

6. Tuberculosis: (*a*) Name the various manifestations of tuberculosis which may require surgical treatment; (*b*) diagnosis of tuberculosis of the dorsal or lumbar vertebrae; (*c*) Symptoms and treatment of same.

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DR. BUNTS.

1. (*a*) Name the principal pus producing micro-organisms; (*b*) What are the essentials for their growth? (*c*) Give examples of mixed infection.

2. Describe minute changes taking place in formation of an abscess.

3. (*a*) What are the indications for treatment of inflammation? (*b*) What are the terminations of inflammation? (*c*) What are the causes of swelling?

4. (*a*) Define gangrene; (*b*) What determines whether the gangrene shall be dry or moist gangrene? (*c*) Cause, prognosis, treatment of senile gangrene; (*d*) What it cancrum oris?

5. (*a*) Define septic intoxication; (*b*) Septic infection; (*c*) Pyemia; (*d*) What are the causes of post-operative fevers?

6. Erysipelas: Diagnosis, cause, treatment, prognosis. Tetanus: Diagnosis, cause, treatment, prognosis.

7. Aneurysm: Define, active clot, passive clot, Hunterian method and advantage.

8. Lymphangitis: Etiology, treatment. Phlebitis: Diagnosis and treatment.

9. Fractures: Symptoms, indications for treatment. Causes and treatment of delayed union of femur.

10. Describe one of the following operations: 1. Thoracoplasty. 2. Amputation of hip joint. 3. Removal of infraorbital nerve. 4. Intestinal anastomosis.

DR. CRILE.

1. Give non-operative treatment of appendicitis.

2. Define shock and give treatment.

3. Define collapse and give causes.

4. Cause, diagnosis and treatment of tubercular glands of neck.

5. Treatment of hernia in children.

OPHTHALMOLOGY.

1. Name the structures of the eye-ball from behind forward, in their order. Which are the most important?

2. Give the varieties of conjunctivitis. State the causes, pathology, course and treatment of acute, purulent ophthalmia.

3. Give the symptoms of paralysis of the third nerve.

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4. Give the differential diagnosis of sympathetic irritation and inflammation. State the causes and treatment for sympathetic inflammation.

5. Give the differential diagnosis between acute conjunctivitis, acute iritis, and acute glaucoma. Give the treatment for acute glaucoma.

DISEASES OF CHILDREN.

1. Symptoms and diagnosis of tubercular peritonitis.

2. Causes and symptoms of post-laryngeal adenitis and abscess.

3. Diet-list for a child at 18 months; at 2½ years.

4. Conditions in which broncho-pneumonia is apt to arise; symptoms and diagnosis.

5. Treatment of scarlet fever with detail of isolation and disinfection.

GYNECOLOGY.

DR. ROBB.

1. What is the normal position of the uterus and to what extent may its position vary within physiological limits?

2. What are the different forms of endometritis? Discuss the causes, symptoms and treatment.

3. Define prolapsus of the uterus, and describe its symptoms and treatment.

4. What is meant by retroflexion and retroversion of the uterus? Give etiology, symptoms and treatment.

5. How and under what circumstances would you apply a pessary? Enumerate the different pessaries in common use.

6. Mention the varieties of vaginitis, and their treatment.

7. State the chief etiological factors which may be responsible in a case of pyosal pinx.

8. Describe in detail the nature and symptoms of extra-uterine pregnancy.

9. How would you treat a case of ruptured tubal pregnancy?

10. What are the symptoms and physical signs of malignant disease of the uterus and of the cervix? What treatment would you advise? How is the condition to be differentiated from myoma of the uterus?

The examinations are partly oral and partly written. The method is to divide the ground covered during the year into say one hundred

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questions and then to divide the class up into ten sections and to give two or three men the same set of questions and in this way very few men in the class get the same set of questions.

DR. HUMISTON.

1. What are the causes of dysmenorrhoea?

2. What are the indications for curettement?

3. What are the clinical evidences of carcinoma of cervix uteri and how would you differentiate between a simple erosion and beginning carcinoma of the cervix?

4. What is the normal position of the uterus, and by what means would you diagnose a retroflexion of the uterus?

5. Give the treatment for an acute gonorrhoeal vaginitis.

6. Give the clinical signs (objective and subjective) of ruptured tubal pregnancy.

7. How would you differentiate retroflexion of the uterus from a fibroid in the posterior wall of that organ?

8. What is a pyo-salpinx and what are its etiologic factors?

9. Name the cystic formations found in the ovary.

10. Give the differentiation between a uterine fibroid and an ovarian cyst.

OBSTETRICS.

1. Give the diameter of the foetal skull.

2. Give the foetal circulation.

3. Give the treatment of abortion. (*a*) When threatened; (*b*) When inevitable.

4. Describe the usual mechanism observed in the third position of the head.

5. Having determined a breech presentation, how would you manage the case?

6. Having determined a face presentation above the brim, give treatment in (*a*) mento-anterior position; (*b*) in mento-posterior position.

7. Give causes, prognosis and treatment of prolapse of the umbilical cord.

8. Give the cause and treatment of post-partum hemorrhage.

9. Give the symptoms of extra-uterine gestation.

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NEUROLOGY.

1. What are the causes of brachial monoplegia?

2. Give the symptoms caused by a tumor on the left side of the pons Varolii.

3. Differentiate hysteric from epileptic convulsions.

4. What is the treatment of hemiplegia?

5. How are the reflexes used in diagnosis?

PREVENTIVE MEDICINE.

1. A knowledge of what facts, in respect to any communicable disease, is essential to efficient action for the prevention of such disease?

2. How long should isolation be maintained for cases of (*a*) small pox; (*b*) scarlet fever; (*c*) diphtheria?

3. How can infection through the skin and mucous surfaces best be prevented?

4. In what manner may inhalation of dust predispose to infection through the lungs?

5. Give three substances which may be effectively used as vapor, and three solutions which may be used as spray, for the disinfection of rooms and clothing.

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THE FRANKLIN T. BACKUS LAW SCHOOL.

HISTORICAL STATEMENT.

THE Franklin T. Backus Law School of Western Reserve University was founded in the year 1892. Its first class entered the school in September of that year. During the first two years it was located in rented quarters at the corner of Euclid Avenue and Adelbert Street. In the fall of 1894 the school was removed to temporary quarters in Adelbert Hall, where it remained for two years. In 1896 the stone building now occupied by the school was erected. It contains, in addition to large halls, four rooms of equal size, twenty-five by forty feet, inside measurement. One of these rooms is fitted up for a library and reading room, and the other three are used for recitation work. Each recitation room is furnished with individual tables so constructed as to enable the students to take notes with as little inconvenience as possible. The basement is furnished with toilet, locker and smoking rooms. Each student is furnished a locker for the keeping of his coat, books, etc. The building is so constructed as to allow the erection of a large addition whenever the needs of the school shall require it.

In 1892 the library numbered about five hundred volumes. Today it numbers thirteen thousand volumes and with one possible exception is the largest law school library west of Ithaca. There are but four or five better law school libraries in the entire country.

In 1892 nine lectures a week were given; now there are given fifty-four lectures a week, and the number of the members of the faculty has grown from five to seventeen.

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When the school was first opened candidates for a degree were required to have but little more than a common school education. Nearly all the law schools in the country, including some of the oldest and most prominent, demanded no more. Beginning with the year 1900 the requirements for candidates for a degree were raised so that they must now be, at least, qualified to enter college.

The enrollment of students has grown from twenty in our first year to one hundred in the present year.

In 1893 Mrs. Franklin T. Backus of Cleveland, Ohio, provided an endowment for the school and the name of the school was then changed from the "Law School of Western Reserve University" to the "Franklin T. Backus Law School of Western Reserve University" in honor of a man who, during his life, was one of the leaders of the Ohio bar and who always took the deepest interest in all matters pertaining to legal education.

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FACULTY.

CHARLES F. THWING, D. D., LL. D., 55 Bellflower Av.
President.

CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.
Professor of the Law of Real Property.

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.
Professor of the Law of Contracts and Equity Jurisdiction, Dean of the Faculty.

HENRY CLAY WHITE, A. M., 344 Harkness Av.
Professor of the Law of Wills and Estates.

HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.
Professor of Constitutional Law.

ALEXANDER HADDEN, A. B., 1670 Lexington Av.
Professor of the Law of Crimes, Criminal Procedure, and Damages.

ARTHUR ADELBERT STEARNS, A. M., 87 Oakdale St.
Professor of the Law of Suretyship and Mortgage.

ROGER MILLER LEE, LL. B., 115 Ingleside Av
Professor of the Law of Shipping and Admiralty.

JAMES LAWRENCE, A. B., 709 Genesee Av.
Professor of the Law of Public and Private Corporations.

ALFRED C. CARPENTER, A. M., LL. B., 125 Streator Av.
Professor of the Law of Contracts.

PAUL HOWLAND, A. M., LL. B., 11 Granger St.
Professor of the Law of Pleading and Practice, and Partnership.

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.
Professor of the Law of Agency and Bills and Notes.

FRANCIS RUFUS HERRICK, A. B., 449 Russell Av.
Professor of the Law of Torts.

FRANK BEVERLY WILLIAMS, A. M., LL. B., 111 Crawford Road.
Professor of the Law of Evidence, Trusts, and Personal Property.

FREDERICK WILLIAM GREEN, LL. B., Rice Av., Newburgh.
Lecturer on Sales.

HARRY J. CRAWFORD, A. B., LL. B., 3 Republic Place.
Lecturer on Common Carriers.

DAVID GAUL JAEGER, A. B., LL. B., 113 Brookfield St.
Instructor in Charge of Review Work Preparatory to Ohio Bar Examinations.

FRANCES L. TROWBRIDGE, 84 Miles Av.
Librarian.

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STUDENTS.

THIRD YEAR CLASS.

Max Emerson Brunswick,	*Youngstown*	1195 Case Av.
Fred Samuel Chamberlain,	*Cleveland*	1267 Slater Av.
John Aldrich Chamberlain, A. B., Dennison University, 1899.	*La Grange*	126 Murray Hill Av.
Sigmund J. Deutsch, A. B., Adelbert, 1899.	*Cleveland*	37 Walker St.
Edward John Hobday, A. B., Adelbert, 1899.	*Cleveland*	182 Ontario St.
Horatio Clark Gould, Ph. B., Oberlin, 1898; Harvard University, 1898-99.	*Mattoon, Ill.*	28 Mayfield St.
Earl Hibbard Jaynes, A. B., Adelbert, 1899.	*Des Moines, Ia.*	7 Adelbert Hall.
Walter Scott McAaron,	*Cleveland*	483 Cedar Av.
James Edward Mathews,	*Cleveland*	106 Alabama St.
Walter Edward Myers, B. S., Mt. Union. 1899.	*Alliance*	126 Murray Hill Av.
Charles Fitch Ohl, B. S., O. N. U., 1895.	*Warren*	18 Adelbert Hall.
Lancelot Packer,	*Cleveland*	1066 Prospect St.
Niles Abraham Sponseller,	*Canton*	18 Adelbert Hall.
Mark Lawrence Thomsen, A. B , Oberlin, 1898.	*Cleveland*	502 Garfield Bldg.
William Paul Trinter,	*Cleveland*	1241 Willson Av.
Julian Woodworth Tyler, A. B., Adelbert, 1899.	*Cleveland*	21 Morse Av.
Harvey J. Webster,	*Brooklyn*	2378 Pearl St.

THIRD YEAR, 17.

SECOND YEAR CLASS.

Walter S. Adams, A. B., Adelbert, 1900; Harvard University, 1900-01.	*Cleveland*	3714 Euclid Av.
William T. Arnos, A. B., Tri-State Normal, 1899.	*Defiance*	22 Adelbert Hall.
William Hugus Chapman, Adelbert, 1897-1898.	*Cleveland*	11 Sackett St.

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Eli Edwin Doster, Dennison, 1898–1900.	*Cleveland*	117 Murray Hill Av.
Harry Tracy Duncan, Ph. B., Adelbert, 1901.	*Cleveland*	78 Fifth Av.
Benedict Leonidas Elder, A. M., Spencer Institute.	*Taylorsville, Ky.*	600 Lake St.
Earl Washington Farwell, A. B. Princeton, 1900; Harvard University, 1900–1901.	*Millersburg*	820 Fairmount St.
Andrew James Haggerty, Adelbert, 1899–1900.	*Cleveland*	241 Hodge Av.
Edgar A. Hahn,	*Cleveland*	633 Scovill Av.
Lewis Edwin Harvie, Jr., Danville Military Institute.	*Danville, Va.*	24 Adelbert Hall.
Samuel Edmund Kramer, Ph. B., Adelbert, 1900.	*Cleveland*	34 Van Buren St.
William John Laub, Ph. B., Adelbert, 1900.	*Akron*	874 Fairmount St
Joseph Timmons Micklethwait, Ohio University, 1897–1900.	*Portsmouth*	21 Adelbert Hall.
John Allen Neiding,	*Cleveland*	186 Taylor St.
George Albert Palda, Ph. B., Adelbert, 1900.	*Cleveland*	1655 Broadway.
Irving Holland Randolph, B. S., North-Eastern Ohio Normal, 1898.	*Salem.*	24 Adelbert Hall.
Norman Rushton, Ohio State University, 1898–1900.	*Selkirk, Canada*	22 Adelbert Hall.
Raymond Terry Sawyer, A. B., Kenyon, 1900.	*Cleveland*	54 Streator Av.
Ernest Schwartz,	*Cleveland*	25 McKinstry St.
Bartlett Carlton Shepherd, Ph. B., Adelbert, 1900.	*Painesville*	21 Adelbert Hall.
Lewis D. Slusser, B. S., Mt. Union, 1896; Harvard University, 1900–1901.	*Akron*	1 Arey St.
Vernon Leland Stanford, Ph. B., Adelbert, 1900.	*Ravenna*	55 Euclid Av.
Liberty Bernard Ware,	*Cleveland*	1430 Detroit St.
David Ross Warnock, Urbana University, 1899.	*Urbana*	2097 Euclid Av.
Benjamin Breckenridge Wickham, A. B., Adelbert, 1896.	*Norwalk*	University School.

SECOND YEAR, 25.

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FIRST YEAR CLASS.

H. Ross Ake, Mt. Union, 1897-98.	*Mapleton*	461 Wade Park Av.
Max L. Bernsteen, Adelbert, 1899-01.	*Cleveland*	67 Fifth Av.
Charles McN. Carrington,	*Cleveland*	25 Vestry St.
Clinton L. Case, B. S., New South Lyme Institute, 1901.	*Greensburg*	49 Fairchild St.
Allen S. Davis, B. S., Dennison University, 1900.	*Columbus*	131 Murray Hill Av.
Fred Desberg,	*Cleveland*	1050 Central Av.
Amos J. Eibling,	*Marion*	228 Payne Av.
Benjamin Feniger, University of Chicago, 1900-01.	*Cleveland*	512 Orange St.
David Edward Green, B. S., Dennison University, 1901.	*Renrock*	131 Murray Hill Av.
Ben Haber, B. L., Adelbert, 1901.	*Cleveland*	8 Lewiston St.
Ernest True Hall,	*Cleveland*	3218 Detroit St., Lakewood.
Theodore Hall, Jr., A. B., Adelbert, 1901.	*Ashtabula*	40 Knox St.
Hugh Edmund Hawthorne, Ph. B., Adelbert, 1900.	*Cambridge*	147 Cornell St.
Morris W. Kastriner, A. B., Adelbert, 1901.	*Cleveland*	731 Scovill Ave.
Joseph H. Kitchen, A B., Yale, 1899.	*Cleveland*	858 Euclid Ave.
William Kurzenberger,	*Cleveland*	72 Noyes St.
Harris Ray Loomis, B. S., Ohio Normal University, 1900.	*Randolph*	7 York St.
Henry Lustig,	*Cleveland*	2773 Broadway.
Eugene C. Mathivet, Adelbert, 1900-01.	*Cleveland*	380 Woodland Av.
Walter Charles McClure, A. B., Wooster University, 1901.	*Wooster*	838 Doan St.
William Philpot Morris,	*Cleveland*	2179 Euclid Av.
W. Clarence Mumaw, Mt. Union, 1898-01; Hiram, 1898-99.	*Welshfield*	19 Adelbert Hall.
Adrian G. Newcomb, Baldwin-Wallace, 1897-1900.	*Berea*	19 Adelbert Hall.

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Carl Frederick Orth, Oberlin, 1899–1900.	*Wauseon*	139 Cornell St.
John H. Price, A. B., Mt. Union, 1900.	*Cleveland*	Eldred Hall.
Charles Scott Rose,	*Mt. Blanchard*	17 Adelbert Hall.
Harrington Simpson,	*Akron*	38 Quebec St.
Edward P. Strong, St. Ignatius, 1895–98.	*Cleveland*	486 Lake St.
Walter Herbert Warren, Wooster University, 1897–1900.	*Wooster*	838 Doan St.

FIRST YEAR, 29.

SPECIAL STUDENTS.

John Alvin Alburn, Adelbert.	*Youngstown*	Eldred Hall.
Harold Leroy Beard, Thiel College, 1894-97; LL. B., O. N. U., 1900.	*Youngstown*	117 Adelbert St.
Grant Bennett, A. B., O. N. U., 1887.	*Cleveland*	987 Doan St.
Thomas Bennett Bolton,	*Cleveland*	28 E. Prospect St.
Arthur E. Bowdler,	*East Liverpool*	135 Adelbert St.
James W. Bowes,	*Sharon Center*	117 Adelbert St.
John J. Boyle,	*Hubbard*	49 Fairchild St.
George S. Cole LL. B., O. N. U., 1901.	*Bloom Center*	117 Adelbert St.
John Logan Findlay,	*Cleveland*	151 Cornell St.
Robert Thompson Gage, Adelbert.	*Cleveland*	788 Republic St.
Frederick Charles Gillette, A. B., Adelbert, 1897; University of Michigan, 1897-98; LL. B., W. R. U. Law School, 1901.	*Cleveland*	988 E. Madison Av.
Walter Granger, Volant College, 1899–1900.	*Cleveland*	893 St. Clair St.
John H. Hogg,	*Cleveland*	2638 St. Clair St.
Frederick F. Hunt,	*St. Thomas, Ont.*	49 Fairchild St.
Otho W. Kennedy, O. N. U., 1899.	*New Winchester*	49 Fairchild St.
T. Mervin Kennedy, O. N. U., 1894–98.	*New Winchester*	49 Fairchild St.
Manuel Levine,	*Cleveland*	66 Croton St.

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Willard Lonzo Long, A. B., Oberlin, 1899.	*Clay Center, Kan.*	45 Knox St.
James Milton McCleary,	*Cleveland*	728 Union St.
James V. Murphy,	*East Palestine*	20 Adelbert Hall.
Harry T. Nolan,	*Painesville*	45 Fairchild St.
Herman Joel Nord, Adelbert.	*Giddings*	Adelbert Hall.
Jerome Aloysious Ryan, Niagara University, 1896–97.	*Cleveland*	795 Doan St.
Ward Cleland Sager, A. B., Hiram, 1900; O. S. U., 1900–01.	*Bryan*	22 Adelbert Hall.
Joseph Frank Sawicki, St. Ignatius College, 1896–1900.	*Cleveland*	346 Fleet St.
John C. Shea, Notre Dame University, 1892–96.	*Dayton*	74 Calvert St.
Jacob Henry Slike,	*Mt. Blanchard*	18 Adelbert Hall.
Frank A. Stetson, A. B., Oberlin, 1900.	*Oberlin*	117 Murray Hill Av.
Lewis Blair Williams, Adelbert.	*Cleveland*	64 Glen Park Place.

SPECIAL STUDENTS, 29.

SUMMARY.

Third Year	17
Second Year	25
First Year	29
Special Students	29
Total	100

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REQUIREMENTS FOR ADMISSION.

Each person entering the school, whether a candidate for a degree or not, must present a certificate of good moral character.

Candidates for the degree of LL. B. entering the school must either be college graduates or matriculates, or graduates of high schools of approved standing or must pass the entrance examinations given by colleges of approved standing.

Persons not candidates for a degree may be admitted to the school as special students at any time without examination, and may pursue such studies as they may elect, under the advice of the Faculty.

COURSE OF INSTRUCTION.

First Year.

CONTRACTS. Lectures and Langdell's Cases, embracing the topics of mutual assent, consideration, and conditional contracts. Two hours each week throughout the year. Professor Hopkins.

COMMON LAW PLEADING. Lectures and Ames's Cases on Pleading, embracing demurrers, pleas by way of confession and avoidance, pleas by way of traverse, duplicity, departure, new assignment, and motions based on pleadings. Two hours each week during last half-year. Professor Howland.

CRIMINAL LAW. Lectures and Clark and Marshall's Criminal Law. Two hours each week. Professor Hadden.

PERSONAL PROPERTY. Lectures and Vol. I, Gray's Cases on Property, embracing distinction between real and personal property, nature and acquisition of rights, suits for the recovery of personal property, acquisition of rights not under former owner, transfer of rights and possession. Two hours each week. Professor Williams.

REAL PROPERTY. Lectures and Tiedeman on Real Property. Two hours each week. Professor Pennewell.

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TORTS. Lectures and Ames' and Smith's Cases, embracing trespass, disseisin and conversion, defamation, malicious prosecution, conspiracy, legal cause, negligence, contributory and imputed negligence, degrees of care, extra-hazardous occupations, liability from fire and explosives, deceit, merger, joint wrong-doers, and distinction between tort and breach of contract. Four hours each week throughout the year. Professor Herrick.

HISTORY OF COMMON LAW PROCEDURE. Lectures and selected readings from Pollock and Maitland's History of English Law, Bigelow's History of Procedure, Maitland's Domesday Book and Beyond, Inderwick's The King's Peace, Stubb's Constitutional History of England, Coke's Institutes, Blackstone's Commentaries, and Stephen on Pleading. Five hours each week during the first-half of the first-half-year. Professor Hopkins.

SECOND YEAR.

AGENCY. Lectures and Wambaugh's Cases, embracing introductory topics, the agent's power to subject his principal to liabilities, the agent's responsibility to strangers, parties to writings, undisclosed principal, the principal's duties to the agent, delegation by an agent, termination of agency, and ratification. Two hours each week. Professor Chapman.

BILLS AND NOTES. Lectures and Ames' Cases on Bills and Notes, embracing formal requisites, acceptance, indorsement, transfer, extinguishment, obligations of parties to bills and notes, diligence, bill or note in the nature of a specialty, checks, negotiable paper other than bills, notes and checks. Two hours each week. Professor Chapman.

EQUITY JURISDICTION. Accident, Mistake and Fraud. Lectures and Vol. III, Keener's Cases on Equity. Two hours each week. Professor Hopkins.

EQUITY PLEADING. Cases and Lectures. Two hours each week during first half-year. Professor Hopkins.

EVIDENCE. Lectures and Thayer's Cases, embracing preliminary topics, leading principles and rules of exclusion, qualifications and exceptions to the rule against hearsay, real evidence, writings and witnesses. Two hours each week. Professor Williams.

CODE PLEADING. Cases and Lectures. Two hours each week during last half-year. Professor Hopkins.

SALES. Lectures and Williston's Cases, embracing subject matter of sale, executed and executory sales, stoppage in transitu, fraud and

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related matters, warranty and Statute of Frauds. Two hours each week. Mr. Green.

WILLS AND ESTATES. Lectures and Bigelow on Wills. Two hours each week. Professor White.

TRUSTS. Lectures and Ames's Cases, embracing voluntary trusts, language and formalities necessary to the creation of a trust, resulting trusts, oral trusts, constructive trusts, executed and executory trusts, Nature of a cestuy que trust's interest in the trust property, and the interest of a trustee. Two hours each week. Professor Williams.

CONTRACTS. Lectures and Williston's Cases, embracing impossible contracts, illegal contracts, joint obligations, discharge of contracts and assignment of contract. Also, Keener's Cases on Quasi-Contracts, embracing nature of the obligation, failure of consideration, benefits conferred without request, benefits conferred at request but in the creation or performance of a contract, recovery of money paid under compulsion and waiver of tort. Two hours each week. Professor Carpenter.

THIRD YEAR.

CONSTITUTIONAL LAW. Lectures and Thayer's Cases, embracing constitution of government, making and changing written constitutions, the jurisdiction of the United States, citizenship, police power, eminent domain, taxation, ex post facto and retroactive laws, state laws impairing the obligation of contracts, regulation of commerce, money and war. Four hours each week. Professor Johnson.

EQUITY JURISDICTION. Lectures and Vol. II, Keener's Cases, dealing with specific performance of contracts. Two hours each week. Professor Hopkins.

SURETYSHIP AND MORTGAGES. Lectures and selected cases. Two hours each week. Professor Stearns.

DAMAGES. Lectures and Beale's Cases, embracing functions of court and jury in estimating damages, exemplary, liquidated and nominal damages, direct and consequential damages, avoidable consequences, counsel fees, certainty, compensation, damages for non-pecuniary injuries, values, interest, damages in certain actions of tort and on contracts. One hour each week. Professor Hadden.

CRIMINAL PROCEDURE. Lectures and Beale on Criminal Procedure. One hour each week during second half-year. Professor Hadden.

PARTNERSHIP. Lectures and Ames's Cases, embracing the creation of a partnership, quasi or nominal partners, partnership property and the interest of a partner therein, the separate property of a partner as

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affected by the partnership relation, the relation of debtor and creditor between a partnership and a partner, the relation of debtor and creditor between two firms having a common member, action between a partner and one or more of his co-partners, and power of a partner to act in behalf of the partnership. Two hours each week during first half-year. Professor Howland.

CORPORATIONS. Lectures and Elliott's Cases. Two hours each week. Professor Lawrence.

SHIPPING AND ADMIRALTY. Lectures and Selected Cases. Two hours each week. Professor Lee.

COMMON CARRIERS. Lectures and McClain's Cases, embracing public callings, carriers of goods, and carriers of passengers. Two hours each week first half-year. Mr. Crawford.

PLEADINGS AND PRACTICE IN OHIO, including the drawing of deeds, mortgages, wills, etc., as well as pleadings. Two hours each week. Professor Howland.

LEGAL ETHICS. Lectures. One hour each week for ten weeks. Professor Hopkins.

REVIEW of subjects embraced in examinations for admission to the Ohio Bar. Four hours each week. Mr. Jaeger.

Each student is expected to be in the class-room during all the hours of the first year and at least ten hours a week during each of the last two years, and the purpose is that the students shall devote their entire time to the work of the school.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the Saturday after the last Thursday in January. The second half-year begins on the Monday after the last Thursday in January, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

LITERARY WORK.

The members of the first year class conduct a regular debating society, meeting on Saturdays from ten to twelve o'clock.

MOOT COURT WORK.

The Junior Moot Court Association of Western Reserve Law School, composed of members of the junior class, holds court weekly, sitting as a justice of the peace court, one of the professors acting as justice, with members of the class as the other court officers, attorneys, litigants, etc. The term of court is three weeks and an entirely new set of officers acts for each term, giving all the members an opportunity of becoming familiar with the duties of each office.

The cases are based upon actual facts and the trials are conducted in all respects like those in the regular courts.

The third year course in pleading and practice is conducted in part as a moot court course. Cases are tried in the manner prevailing in the common pleas court.

Special attention is paid to the several steps in the course of trial, such as summoning and impanelling jury, statement of case, examination of witnesses, taking of exceptions,

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making of motions, argument, preparation of charge to jury, verdict, judgment, motion for new trial, bill of exceptions and petition in error.

EXAMINATIONS.

Candidates for the degree of LL. B. must attend the school at least two years, and must pass satisfactory examinations in all the subjects of the first year and in enough courses of the second year to aggregate ten hours a week, and of the third year to aggregate eleven hours a week. If a student is absent a year he must take the examinations in the subjects of that year at the school with the class.

At the beginning of the school year an examination on the subjects of the first year will be held for the benefit of such students as may desire to enter the second year class.

LOCATION OF THE SCHOOL.

The work of the school is carried on in a stone building of tasteful architecture erected for it on Adelbert Street opposite the Adelbert College Campus. The building contains a library and reading room, several large lecture rooms and rooms where students can meet socially. Individual lockers and other appropriate conveniences are provided for the students.

LIBRARIES.

The Law School has a library containing a large collection of the leading text-books, an almost complete collection of the English Reports, and the Reports of the Courts of last resort of every state and territory together with the reports of the Supreme and Circuit Courts of the United States. Students also have the use of Hatch Library which is located near the school and contains fifty thousand volumes. They also have free access to the Cleveland Law Library containing about seventeen thousand volumes, and the Cleveland Public Library of almost one hundred and fifty thousand

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volumes. The library facilities offered students are therefore abundant. The law school library is open on three nights in the week to 9:30 P. M.

UNIVERSITY ADVANTAGES.

Students of the Law School are admitted without extra charge to such classes in Adelbert College and the Graduate School as they are fitted to enter. They also have the privilege of attending many public lectures given at Adelbert College, the College for Women, and Case School of Applied Science.

EXPENSES.

The fee for tuition is one hundred dollars a year. One-half of this fee is payable at the beginning of the university year, and the other half is payable at the beginning of the second half-year. These fees are to be paid to the Bursar within ten days of the opening of each half-year. For any part of either half-year the tuition fee is fifty dollars. No fees are charged for examination. When paid in advance the fee for the three years will be two hundred and fifty dollars.

Rooms can be secured in the vicinity of the school for from $25 to $75 a year. Table board can be secured for from $2.75 to $4 a week. Text-books used in the classes cost from $17 to $30 a year, but second-hand books can usually be procured at a considerable saving.

SCHOLARSHIPS.

A limited number of scholarships may be awarded to meritorious students during the year 1902-3.

For further information address the Dean,

E. H. HOPKINS,
Cleveland, O.

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THE DENTAL COLLEGE.

GENERAL STATEMENT.

THE Dental Department of Western Reserve University was organized by the Trustees and Medical Faculty of the University in the belief that Dental Surgery should be regarded as a branch of Medicine, and with the purpose of training students to practice it as a medical specialty. The dental students thereof continue to be instructed in several branches of medicine with the medical students. It is obvious that such an education tends to broaden the mind and give a keener insight into the basal principles of dentistry. The public also recognize the better qualifications of a medically educated dentist.

Students of the Dental College are allowed to elect without charge such courses in Adelbert College and the Graduate School as they are fitted to pursue.

The College is under the control of the University Trustees, and is thus in every sense a part of the University. Its Professors do not control the fees from students, nor do they accept fees for extra courses. The Dean of the College acts as Bursar for the department, to whom the fees are paid and by him transferred to the Treasurer of the University.

The College is active in its endeavors to place Dentistry upon a high plane. It therefore cooperates as a member with the National Association of Dental Faculties, the National Association of Dental Examiners, and the Institute of Dental Pedagogics, and conforms to all the rules of these Associations.

Attention is directed to the fact that there are no extra fees except as hereinafter indicated, but that the general fee covers the expense of laboratory courses in chemistry,

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histology, physiology, dissection, and bacteriology. The matriculation fee is paid only once, and there is no diploma fee. The College furnishes many instruments for the free use of the students, such as vulcanizers, extracting forceps, etc., etc., thus saving considerable expense for every student during the course.

The course is graded and admirably adapted to preparing students for the practice of dentistry. It requires three years to complete the course. The studies of the first and second years require seven months full attendance in each year. All of the technical work is performed in these years. The third year requires eight and one-half months' attendance and is devoted largely to clinical work. The Faculty have decided to require constant attendance each day in the clinics from 9:30 A. M. to 4:30 P. M. from each senior student. This gives an unusual amount of opportunity for practice, and is the outcome of a large and increasing amount of clinical material as well as the desire of the Faculty to give a thoroughly practical education.

The city of Cleveland now numbers nearly 400,000 inhabitants, and the Dental College is located in the center of the city. This situation insures a large amount of clinical material.

Stndents have free access to Adelbert Library, the Public Library, and through the proper channels they can gain admission to Case Library. The Young Men's Christian Association, in the adjoining building, offers to dental students special rates of membership, admitting them to its lectures, classes, gymnasium and other privileges. The Association dining hall is open to all dental students. Excellent boarding houses are to be found in the neighborhood.

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FACULTY.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Av.
Professor of Operative Dentistry and Hygiene.
Dean of the Faculty.

WILL HENRY WHITSLAR, M. D., D. D. S., 29 Euclid Av.
Professor of Dental Anatomy and Pathology.
Secretary and Executive Officer of the Faculty.

GEORGE HENRY WILSON, D. D. S., 44 Euclid Av.
Professor of Prosthesis and Metallurgy.

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.
Professor of Dental Medicine.

CALVIN SUVERILL CASE, M. D., D. D. S., Stewart Bldg. Chicago, Ill.
Professor of Orthodontia.

GEORGE NEIL STEWART, M. A., D. Sc., M. D., D. P. H.,
Professor of Physiology and Histology. Medical College.

CARL A. HAMANN, M. D., 282 Prospect St.
Professor of Anatomy and Oral Surgery.

PERRY L. HOBBS, Ph. D., Medical College.
Professor of Chemistry.

FREDERICK CLAYTON WAITE, A. M., Ph. D. Medical College.
Assistant Professor of Histology and Embryology.

ROGER GRISWOLD PERKINS, A. B., M. D., Medical College.
Lecturer on Bacteriology.

FREDERICK A. HENRY, M. A., LL. B., Williamson Building.
Lecturer on Dental Jurisprudence.

WESTON A. VALLEAU PRICE, D. D. S., M. E., 2238 Euclid Av.
Lecturer on Electro-therapeutics and Dental Electric Appliances.

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.
Instructor of Prosthetic and Operative Technics and
Lecturer on Dental Anatomy.

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DANIEL HENDRIX ZEIGLER, D. D. S., Rose Building.
Chief Demonstrator in Operative Dentistry.

DOUGLAS AUSTIN WRIGHT, D. D. S., 332 Cedar Av.
Demonstrator of Prosthetic Dentistry.

VARNEY EDWARD BARNES, D. D. S., New England Building.
Demonstrator of Prosthesis and Instructor of Orthodontia.

JAMES FREED WARK, D. D. S., Rose Building.
Demonstrator of Operative Dentistry.

CARL B. JAMES, B. S., 2430 Euclid Av.
Assistant in Histology.

JAMES A. EVANS, B. S., Medical College.
Assistant in Chemistry.

PROFESSOR WILSON,
Superintendent of Laboratories and Clinics.

HERMAN DOUGLASS GRAHAM,
Curator of Museum.

MISS K. G. FRANKLE,
Clerk of Operative Clinic.

MRS. D. A. WRIGHT,
Clerk of Prosthetic Clinic.

ANDREW ARTMAN,
Janitor.

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STUDENTS.

SENIORS.

William Roy Brewster,	*Chagrin Falls*	The Gladstone, Muirson St.
George Lynn Carbon,	*Ashtabula*	17 Tennis St.
Elmer Elsworth Chambers,	*Warren*	44 Chestnut St.
Joseph Anson Coates,	*Gladerun, Pa.*	254 Scovill Av.
Ralph Edmund Davis,	*Cleveland*	44 Fairview Av.
Lee Lamont De Arment,	*Conneaut Lake.*	7 Dodge Ct.
Alfred Lawrence Duff,	*Pt. Clinton*	The Gladstone.
John Wilson Fairbanks,	*Hubbard*	154 North Perry St.
William B. Graff, M. D.,	*Cleveland*	694 Superior St.
Herman Douglas Graham,	*Mercer, Pa.*	7 Dodge Ct.
Charles Brigham Hawn,	*Youngstown*	138 Dodge St.
George Hugh Irwin,	*Calcutta*	7 Wycombe Pl.
Richard Kitzsteiner,	*Clevelamd*	158 Luverne St.
Ralph Nosker Leonard,	*Bellevue*	168 North Perry St.
Walter Mitchell Leonard,	*Bellevue*	168 North Perry St.
Clinton Edward Line,	*Rochester, N. Y.*	111 Sayles St.
James Calvin McConkey,	*Canton*	28 Cheshire St.
John McKerrall,	*Cleveland*	215 Bayne St.
James Scott McLean,	*Carleton Pl., Ont., Can.*	187 Dodge St.
Lyman Allen Messecar,	*Waterford, Ont., Can.*	The Gladstone.
Albert William Nicholson,	*Sandusky*	701 Superior St.
Frank Bates Parrish,	*Warren*	1255 Lexington Av.
Thomas Guy Patterson,	*Norwalk*	429½ Superior St.
Edward Lacey Pettibone,	*Toledo*	The Gladstone
Albert C. Plant,	*Wheeling, W. Va.*	154 North Perry St.
Otto Henry Reisser,	*Cleveland*	55 Vega Av.
Herman B. Rosenwasser,	*Cleveland*	722 Woodland Av.
Ralph Edward Sadler,	*Eagle Cliff*	188 Chestnut St.
Ira Maphis Saum,	*Saumsville, Va.*	28 Cheshire St.
William Otto Spieth,	*Wood River, Neb.*	17 Tennis St.
Oscar Frederick Strong,	*Carleton Pl., Ont., Can.*	187 Dodge St.
Howard Oclydes Wearstler,	*Wadsworth*	The Gladstone.
Archie Leon Wood,	*Ridgeville*	The Gladstone.

JUNIORS.

Arthur Andrew Bates,	*Bayard*	838 Superior St.
Charles Christian Bachman,	*Cleveland*	14 Bailey St.
Will Deville Bissell,	*Chicago, Ill.*	30 Wilbur St.
Leroy N. Bundy,	*Cleveland*	500 Erie St.

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Garfield Cannon,	*Coulson, Pa.*	701 Superior St.
Caryll E. Cline,	*Appleton City, Mo.*	504 Lake View Flats.
John William Culver,	*Rural Dale*	407 Prospect St.
George William Douttiel,	*Cleveland*	174 Lyman St.
Gerald Felix Doyle,	*Cleveland*	951 Cedar Av.
Frank Arthur Dunn,	*Cleveland*	207 Dunham Av
Wallace Hays Dunn,	*Meadville, Pa.*	125 Huntington St.
Louis Weber Evans,	*Salineville*	109 Huntington St.
Phillip Henry Felger	*New Springfield,*	68 Collins Pl.
Albert Kenyon Friend,	*Cleveland*	1065 Pearl St.
Joseph Garold Foltz,	*Canton*	407 Prospect St.
James Martin Freer,	*Leamington, Ont., Can.*	664 Castle Av.
Albert Lorain Griffis,	*Andover*	172 Dodge St.
Dwight Charles Hahn,	*Bayard*	159 Sterling Av.
Edson Hill,	*Richfield*	312 Prospect St.
Willis K. Hoch,	*Belleview*	1065 Pearl St.
Edward John Kocmit,	*Cleveland*	62 Petrie St.
Bertram Ward Livingston,	*Savannah*	91 Huntington St.
Marion M. Lower,	*New Alexander*	838 Superior St.
Harrison D. Lowrey,	*Mansfield*	168 North Perry St.
Isidore Lymon,	*New York City*	190 Greenwood St.
Lloyd Andrew Mapes,	*Cortland*	172 Dodge St.
Clarence Elworthy Magee,	*Stratford, Ont., Can.*	242 E. Prospect St.
Frank Sumner Manchester,	*Canton*	407 Prospect St.
Ralph Edgar Miller,	*Bayard*	159 Sterling Av.
Franklynn J. R. Price,	*Ridgetown, Ont., Can.*	701 Superior St.
Robert Ralston,	*Newman*	120 White Av.
Henry Stephen Rogers,	*Sandusky*	701 Superior St
Harry H. Rosenberger,	*Tiffin*	168 North Perry St.
Frank Garfield Rummel,	*Mansfield*	138 Dodge St.
Orrin Franklin Sickman,	*Burton City*	2238 Euclid Av.
Arthur Albert Smith, M. D.,	*Berea*	Berea.
Herman Leiter Smith,	*Trumansberg, N. Y.*	136 Dodge St.
Joseph Elmer Shultz,	*Navarre*	407 Prospect St.
Charles Davis Stambaugh,	*Cleveland*	346 Genesee St.
Howard Clinton Standen,	*Cleveland*	452 Scovill Av.
Clarence Roy Thompson,	*Cleveland*	798 Republic St.
Thomas Cary Van Pelt,	*E. Rochester*	159 Sterling Av.
Robert Lee Wilson,	*Cleveland*	Genesee Block, Suite 10.
Perry Winfield Workman,	*Danville*	28 Cheshire St.
Kirkum Glenn Worrell,	*Chili, Ill.*	2238 Euclid Av.
John Simon Windisch, M. D.,	*Cleveland*	23 Freeman St.
Newton John Worley,	*Glenville*	18 E. Franklin St.

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FRESHMEN.

Harrington Spencer Barrows,	*Cleveland*	44 Wooldridge St.
William Bell,	*Massillon*	426 Superior St.
Byron Hugo Bowman,	*Linesville, Pa.*	508 Prospect St.
G. Humphrey Camp,	*Salem*	313 Prospect St.
Leslie Merle Christie,	*Columbus, Pa.*	323 Huntington St.
William Clarence Cooper,	*Akron*	32 Public Square.
Will Eugene Culp,	*Cleveland*	664 Castle Av.
Harry Dixon,	*Warren*	749 Superior St.
Butler White Donaldson,	*Lorain*	154 North Perry St.
Andrews George Donaldson,	*Scroggsfield*	109 Huntington St.
Otto Frank Dusek,	*Cleveland*	123 Humboldt St.
John William Frazier,	*Bridgeport*	88 Handy St.
George Washington Green,	*Battle Creek, Mich.*	818 Superior St.
Nevin David Grill,	*Orrville*	826 Superior St.
Albert Edward Hitch,	*Cleveland*	35 Lake Front Av.
Ralph Barclay Holeman,	*Mill Village, Pa.*	184 Dodge St.
Raymond Edward Jackson,	*Grafton*	313 Prospect St.
Frank Paul Leonard,	*Bucyrus*	739 Superior St.
John Francis McDonagh,	*Cleveland*	449 W. Madison Av.
Robert Raymond McGeorge,	*New Galilee, Pa.*	812 Superior St.
Abram Ostrander,	*Brampton, Ont., Can.*	48 Wallace St.
Willis LeRoy Powell,	*Oxbow, N. W. T.*	260 Euclid Av.
Norval Joseph Renouf,	*Kent*	Kent.
Laurin Lindenberger Smith,	*Troy*	785 Superior St.
William Allen Smith,	*Nova*	749 Superior St.
Tyrell Strangways,	*Beeton, Ont., Can.*	312 Prospect St.
Edward Luke Teskey,	*Willmot, Mich.*	389 Prospect St.
Ross Clay Unger,	*Niles*	389 Prospect St.
Carl Henry Wadsworth,	*Cooperstown, N. Y.*	1304 Euclid Av.
Edwin Wendell Walker,	*Alliance*	508 Prospect St.
Harry Watson,	*Zoar Station,*	62 Sterling Av.
Edward Arthur Womachka,	*Oxford Junction, Iowa*	53 Dolloff St.
Thomas Watkins,	*Youngstown*	62 Sterling Av.

SUMMARY.

Seniors	33
Juniors	47
Freshmen	33
Total	113

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REQUIREMENTS FOR ADMISSION.

Each candidate for admission must be at least eighteen years of age, and must furnish to the Secretary at the time of matriculating a certificate of good moral character. A blank form of certificate will be provided upon application. The rules for admission and graduation are such as obtain in the National Association of Dental Faculties, of which the College is a member.

The minimum preliminary education required of entrance is a certificate of entrance into the third year of a high school, or its equivalent.

Those who are unable to provide certificates are subject to an examination given by an examiner appointed by the State School Commissioner. An examination which covers the branches required in the first two years of a high school will be given to those who do not present certificates.

This College does not receive women students.

ADMISSION TO ADVANCED STANDING.

Students from recognized dental colleges who present certificates of attendance upon one full course of lectures of at least seven months, and give evidence satisfactory to the heads of the respective departments that they have a good knowledge of the work of the first year will be admitted to the second. Graduates of reputable medical colleges will also be admitted to the work of the second year and will be excused from lectures and examinations upon general anatomy, chemistry, histology, physiology, pathology, materia medica and therapeutics. They will be required, however, to take the courses in operative and prosthetic technics, dental pathology and histology.

Applicants for admission to advanced standing from European schools are required, like other applicants, to furnish properly attested evidence of study and of attendance

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upon lectures, and they must pass the intermediate examinations. Students from recognized dental schools may enter the senior class only upon evidence of having completed work equivalent to that of the first and second year in this school.

Special Notice.—According to a rule of the National Association of Dental Faculties credit for a full term cannot be given to students who enter more than *ten* days after the opening of the session. But if any student is prevented by sickness from entering within the ten days, and if his sickness is properly certified to by a reputable practicing physician, he can enter not later than twenty days from the opening of the session. Students are requested to be present on the opening day.

Applications for admission may be sent any time to the Secretary, Dr. W. H. Whitslar, 29 Euclid Avenue, who will cheerfully answer any inquiries about the school. As chairs in the operatory and places in the laboratory are selected in the order of matriculation and payment of fees, it is advisable that students should have their names registered as early as possible. Names can be registered at any time for the following session. Juniors and Seniors of this college are not required to pay a matriculation fee.

COURSE OF STUDY.

The course of study extends over three sessions. The session for 1902-1903 begins on Wednesday, October first and closes on Thursday, June eighteenth.

Special Notice.—Beginning with the session commencing in October, 1903, a four year's course of study will be instituted. This will be in conformity with the rules of the National Association of Dental Faculties. Students who have regularly entered the college previous to the session of 1903-4 will not be affected by the four years' course.

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The students of the first and second year complete the required work in seven months.

The following table shows the work required in each year and the number of hours a week in each subject.

FIRST YEAR.

	HOURS PER WEEK.
Osteology	2.
Chemistry	5—lectures. 6—laboratory.
Prosthesis	2—lectures. 17½—laboratory.
Histology	4—15 weeks.
Dental Anatomy	1.

SECOND YEAR.

Anatomy—Descriptive	4.
Anatomy—Regional	1.
Physiology	2—lectures or demonstrations.
Dental Histology and Embryology	1—to Christmas.
Metallurgy	1.
Operative Technics	7—6 months.
Crown and Bridge	1.
Prosthesis, Crown and Bridge Work	10½.
Orthodontia Technics	12½.
Clinical Dentistry	17½.
Dissection	Evenings.
Dental Pathology	1 (not completed.)

THIRD YEAR.

Operative Dentistry	2—4 months. 3—4 months.
Operative Clinics	17½.
Prosthetic Clinics	12½.
Pathology, Completed	1.
Materia Medica and Therapeutics	1.
Oral Surgery	1.
Orthodontia	Special lectures.
Anaesthetics	" "
Jurisprudence	" "
Dental Hygiene	" "
Electro-therapeutics	" "
Bacteriology	9—6 weeks.

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METHODS OF INSTRUCTION AND DESCRIPTION OF COURSES.

The methods of instruction consist of lectures, recitations, demonstrations, clinics, and practical work in the chemical, physiological, histological, and bacteriological laboratories. Complete courses are given in the technic of operative and prosthetic dentistry, as well as in orthodontia and steel. Clinical material is abundant and in great variety. Anatomy, chemistry, physiology and histology are studied in the Medical College. With the general work in these subjects special instruction for dental students is interwoven.

During the hours for clinics the demonstrators in charge devote their whole time to the work of instruction. It will be seen that this method gives each student constant *personal attention*. All practical work must be performed in the College, and every effort is made to prevent students from practicing dentistry illegally. Regular attendance at all the courses of instruction and clinics is required. No student is excused from the technic or practical courses.

ANATOMY.

PROFESSOR HAMANN.

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations and recitations. In accordance with the needs of dental students especial attention is given to the anatomy of the head, neck and alimentary canal. In order to facilitate the work in osteology, students of the first year are provided with separate bones, which they are permitted to take home for purposes of study. For demonstrations upon the cadaver and anatomical preparations, the second-year class is divided into sections, in order that individual students may have every opportunity of becoming familiar with the various parts of the body, and of receiving direct personal instruction. Text-book, Gray's Anatomy.

PRACTICAL ANATOMY.

The advantages offered for the study of practical anatomy are very complete. The anatomical room is well lighted, and perfectly heated and ventilated. It has twenty-four tables, and is furnished with hot and cold water, elevator and every convenience for successfully con-

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ducting the work of dissection. Dissections are made under the immediate direction of the professor of anatomy.

PHYSIOLOGY.

PROFESSOR STEWART.

Two lectures a week are given to the students of the second year. The lectures are illustrated by experiments in the class-room and demonstrations in the laboratory. The properties of the circulating liquids of the body, blood and lymph, having been first described, the mechanical and physiological factors concerned in the maintenance of the circulation are studied in detail. The physical and chemical phenomena of respiration and the relation of the nervous system to the respiratory mechanism are next taken up. Then follows an account of digestion, including the secretion of the digestive juices and their action on the food substances, the movements of the stomach and intestines, and the influence of nerves on the functions of the alimentary canal. The absorption of the digested food into the blood-vessels and lacteals, the changes which the absored substances undergo in the body, and the channels by which the waste products are excreted form the next division of the subject. A general view is then taken of the statistics of nutrition and metabolism (including Animal Heat), from which the rules governing the constitution of dietaries are deduced. The general physiology of muscular and nervous tissues having been treated of, the physiological anatomy and functions of the brain and spinal cord are described at length. A brief account of reproduction and development completes the course.

Care is taken to emphasize the special importance to the dental student of such subjects as the secretion of the saliva, the formation of salivary concretions, and the mechanism of mastication and of articulation. Text-book, Stewart's Manual of Physiology.

HISTOLOGY.

ASSISTANT PROFESSOR WAITE, MR. JAMES

The course includes a study of the fundamental mammalian tissues, followed by a study of the finer anatomy of the principal organs. Especial attention is given to the structure of bone, teeth, salivary glands, and the structures connected with the mouth cavity. Each student stains and mounts the sections which he studies and these remain his property. The expense to each man for slides and material is about two dollars. A deposit of two dollars to cover breakage, and returnable at the end of the course, is required. Two two-hour laboratory exercises and one recitation per week until February 1st, Freshman year. Text-book, Schaefer, Essentials of Histology.

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DENTAL EMBRYOLOGY AND HISTOLOGY.

PROFESSOR WHITSLAR.

The subject of histology is of so much importance to the dentisl that notwithstanding the subject is thoroughly taught to the dentat classes by the professor of histology in the medical department, the Faculty continue to have this instruction duplicated, in part, in the Dental College. In addition are some comparative studies of the teeth

The import of this course is to give the student an insight to the practical uses of this study, and to inspire further investigation.

CHEMISTRY.

PROFESSOR HOBBS.

Much care and attention have been devoted to the thorough arrangement and equipment of the chemical laboratory and lecture room according to modern methods. The course includes a series of illustrative lectures on inorganic and organic chemistry, showing their relationship to dental, medical and sanitary science, and laboratory practice. The latter offers the student advantages in acquiring chemical manipulations and favors his acquaintance with the principles of chemistry. Five hours a week throughout the year are given to the work.

Special or advanced students will also be furnished the means for original work or research, under the guidance of the instructor. Text-book, Witthaus' Chemistry.

OPERATIVE DENTISTRY.

PROFESSOR AMBLER.

In this department the teaching is partly accomplished by means of lectures and quizzes which constitute a systematic and progressive course, beginning with a concise history of ancient and modern dentistry, followed by a careful presentation of the most useful methods, appliances and materials employed in filling teeth, together with the basal principles which make operative dentistry a positive science. The hygiene of the mouth, teeth, artificial dentures, crown, and bridge-work will also be considered.

In the senior year, the operatory offers to the student an opportunity to become acquainted with the details of office practice; here he can apply the art of filling teeth, and have some opportunity for observing the relative value of different methods and materials; being advanced from simple to complex operations so fast as his proficiency will justify. Each senior is allowed to operate for eighteen hours

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weekly ; thus he can develop his brain and hand in acquiring thoughtful manipulative skill.

Text-book: American Text Book of Operative Dentistry. Ambler's Tin Foil and its Combinations for Filling Teeth.

DENTAL ANATOMY—OPERATIVE TECHNICS.

One hour each week is given to dental anatomy in the Freshman year. The work is carried on principally by the recitation method and lessons are regularly assigned for each meeting of the class. The subject is thoroughly illustrated both by drawings and large models. Especial attention is given to pulp chambers and root canals, and their relation to the various surfaces of the teeth.

The course in operative technics in the second year consists in lectures and technical training in the laboratory. The lectures cover the technical methods of treating the various conditions found in pulp chambers ; instrumentation, classification and measurements of operating instruments ; classification and forms of cavities ; and filling materials.

The technical training includes treating and filling root canals in extracted teeth, excavating a large number of typical cavities representing each class in rubber tooth forms, filling these cavities with the various filling materials, and exercises in engine technic upon extracted teeth.

NOTE.—The operations in the technic department require a great number of natural teeth, and as it is difficult to procure a sufficient number, it would be to the interest of every student to obtain as many as possible before he returns for the work of the second year.

PROSTHESIS AND METALLURGY.

PROFESSOR WILSON.

Two lectures a week are given upon prosthesis, to the students of the first year, and two lectures a week upon crown and bridge work and metallurgy, to the students of the second year.

The aim is to make this department thoroughly practical, to elucidate the mechanical and artistic principles as well as the science involved.

The technic laboratories are conducted under the guidance of this chair. American Text Book of Prosthetic Dentistry, Essig's Metallurgy fourth edition.

TECHNIC LABORATORIES.

PROFESSORS WILSON, KENYON AND WRIGHT.

There are two dental laboratory class-rooms, one for students of the first, and one for those of the second year ; each room is provided with

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sixty benches and with a platform furnished with complete laboratory appliances. There is also a dental laboratory furnished with lathes, plaster, and apparatus for molding and casting. There is a specially fitted forge room. Every effort is made to have the methods of instruction as practical as possible. Comprehensive and progressive technic courses are given in impressions—vulcanite, celluloid, cast metal, aluminum, gold, continuous gum (optional), crown and bridge work, steel and orthodontia.

Seventeen and one-half hours a week for nearly two years are devoted to this work.

PATHOLOGY.

PROFESSOR WHITSLAR.

This course covers a description of general and special pathology. It consists of an investigation of the principles of pathological processes, their histological changes and effects upon the organism. Dental pathology is elucidated and the general subject treated so as to make the subject one of practical utility. The decay of teeth and inflammation of the dental pulp and pericementum receive special attention. Diseases of the mouth are also discussed. The lectures commence in the Junior year and are continued to the end of the Senior year. Text-books: Marshall's Injuries and Surgical Diseases of the Face, Mouth and Jaws; and Burchard's Dental Pathology.

MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR VAN DOORN.

An intelligent knowledge of the properties and application of medicaments is so important that dental students should be as well grounded in this as in anatomy and physiology. The course consists of a series of comprehensive lectures upon all important drugs, with especial illustrations of their use in dentistry. The methods of administration and application are described in detail. The aim is to make these lectures of great practical value. Text-book: Gorgas' Dental Medicine.

ORAL SURGERY.

PROFESSOR HAMANN.

Instruction in this branch will be given by means of lectures, clinics, and recitations. The aim is to furnish the student an opportunity of acquiring a practical knowledge of this department of surgery.

The principles underlying the treatment of pathological conditions of the mouth and jaws will be considered. Wounds, fractures, tumors, ulcers and congenital defects are among the subjects to be

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discussed, especial attention being devoted to diagnosis. Dental students have access to the various hospitals. Marshall's Text Book on Diseases and Injuries of Jaw and Mouth.

ANAESTHETICS.

PROFESSOR HAMANN, DR. D. H. ZIEGLER.

The subject of anæsthetics is elucidated by special instruction. Professor Hamann describes and illustrates the uses of chloroform and ether in surgical operations about the mouth, and also the dangers that may arise. Dr. Ziegler presents the subject of anæsthesia from nitrous oxide gas and its combinations with other elements, also the uses of local anæsthetics.

Realizing the dangers of anæsthetics, great care is bestowed upon the teaching of these subjects; so that no mistakes will be made. The clinics afford the students abundant experience in this college.

BACTERIOLOGY.

DR. ROGER G. PERKINS, A. B., M. D.

The students will take up the various organisms which are found in the buccal cavity in health and disease, including those concerned in dental decay. The preliminary studies will deal with the chromogenic organisms, until the students have acquired the necessary technique, when the bacteria peculiar to the mouth and those which use the mouth as a portal of entry in lesions of the buccal cavity or more general infections will be carefully investigated.

Special instruction will be given as to the proper methods of sterilization of instruments, and asepsis in dental surgery. Microscopical sections of decayed teeth will be given out to the students, and stained to illustrate the invasion of the tissues by the bacteria of dental decay.

ORTHODONTIA.

PROFESSOR CALVIN S. CASE (Chicago).

DR. V. E. BARNES.

The course in orthodontia consists of lectures, technic work and practical cases.

The didactic instruction is given by Professor Case and is supplemented by the demonstrator who has direct care of the practical and technic work. The lectures of Professor Case are illustrated by lantern slides, models and various appliances especially constructed for the purpose of instruction.

The technic course is for the juniors and consists in the construction of material and a technic apparatus which is to be considered in the

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final senior examination in this branch. The practical work is done by senior students and offers great advantages, for the clinical material is abundant. Various methods of correcting irregularities of the teeth are considered and their use and value explained.

Junior students attend the regular course of lectures which are given to the senior students in this department.

JURISPRUDENCE.

F. A. HENRY, M. A., LL. B.

The legal responsibilities by dental practitioners, and also the relations of the public to the dentist are clearly explained by the professor of this department. A knowledge of the subject of dental law is required in the course of instruction, and an examination at its close is given.

ELECTRICITY.

DR. PRICE.

A thorough course of instruction is given in electro-physics and electro-chemistry, and the practical application of their principles in the processes employed in dentistry. It includes lectures, laboratory experiments and clinical demonstrations. Cataphoresis will be given special consideration and the various current controllers and milliameters are studied by the students and thoroughly demonstrated clinically. The bleeching of teeth by means of electric currents with various agents, the treatment of pyorrhea alveolaris and aveolar abscess, and the use of the X Rays for locating unerupted teeth are elucidated. Instruction is also given in the construction and management of electric dental engines and motors, methods of controlling various kinds of currents, the galvanic effect and electrolytic products of various filling materials in the mouth, etc. Students should be familiar with the general principles of electricity before commencing the course. Text-book: Meadowcraft's A. B. C. of Electricity.

DENTAL CERAMICS.

PROFESSOR WILSON.

A special course of instruction in dental ceramics is provided for those who desire to study this subject but it is not obligatory. The course includes all varieties of porcelain work that the dentist requires to use and is amply illustrated. Where students are able to provide materials of their own extra instruction is given free of charge.

CLINICS.

The operative and prosthetic clinics provide all kinds of clinic material. The prosthetic clinic is open from 9:30 to 12 a. m., and the operative clinic is open from 1 to 4:30 p. m. In the first year the

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entire time is devoted to technic courses in prosthesis. In the second year technic courses are given in crown and bridge work, also orthodontia. After these the student is assigned to practical cases of artificial dentures as well as operating in the mouth. It is necessary, however, to complete the operative technic course before cases are assigned in the operatory. In the third year the course is made as practical as possible. The morning clinic is devoted entirely to prosthetic work, crowns and bridges, and orthodontia. The afternoon clinic is devoted entirely to the filling of teeth, extracting, and the various surgical operations that can be performed in the college without hospital attendance. The extensive operations are performed in the hospital. Thus students are provided with an exceptionally large amount of actual clinical experience. The many clinical cases afford an excellent opportunity for the use of anæsthetics. In rotation the students are assigned to extracting and the use of anæsthetics under the immediate supervision of a skilled demonstrator. Every student thus gains experience that prepares him for actual practice. The location of the college in the heart of the city, where the street cars center, enables the college to have an unusual advantage in securing a large clinic.

Students are required to attend all clinics daily and perform operations faithfully. At the opening of the session each senior has a chair assigned to him.

TEXT-BOOKS.

FIRST YEAR: Gray's Anatomy, Schaeffer's Histology, Witthaus' Chemistry, American Text-Book Prosthetic Dentistry, Broomell's Anatomy and Histology of the Teeth and Mouth.

SECOND YEAR: Stewart's Physiology, Essig's Metallurgy, Burchard's Pathology.

THIRD YEAR: Marshall's Injuries and Diseases of Face, Mouth and Jaws, Gorgas' Dental Medicine, American Text-Book Operative Dentistry, Ambler's Tin Foil and its Combinations for Filling Teeth, Meadowcraft's A. B. C. of Electricity.

BOOKS OF REFERENCE: Dictionary, Gould; American System of Dentistry; Garrettson's Oral Surgery; Week's Operative Technics; Evan's Crown and Bridge Work; Mitchell's Dental Chemistry; Miller's Micro-organisms of the Mouth; Eckley's Anatomy of the Head and Neck; Cryer's Internal Anatomy of the Face.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a holiday vacation of two weeks, beginning on December 20th. No College exercises will be held on Thanksgiving Day, Washington's Birthday or Decoration Day.

THE DENTAL BUILDING.

When the College of Dentistry was established in 1892, rooms were assigned to it in the building erected by Mr. John L. Woods for the Medical College; but the work in both dentistry and medicine has been so much extended and the number of students in each department has so rapidly increased, that the Trustees of the University have provided separate accomodations for the Dental School in the new and handsome Bangor Building, situated next to the Young Men's Christian Association's building on Prospect Street. Already six sessions have been held in the new building, and they have proved its facilities to be excellent. Each room has perfect light and ventilation. The laboratories, one for the Freshmen and one for the Juniors, with an adjoining room for both classes, are arranged for an advanced system of teaching. There is also a clinical laboratory for the Seniors and Juniors. Each room contains a complete laboratory equipment. Many tools and instuments are provided for the students without charge. The operating room contains forty chairs and is fully equipped. The surgical and extracting room contains a standing amphitheatre. The building has been planned to accommodate one hundred and fifty students. When this number is reached, admis-

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sion to the Freshman class will be by a suitable method of competition. It is advised that students matriculate early.

DENTAL MUSEUM AND LIBRARY.

A Dental Museum and Library is being formed. It is earnestly requested of those who have specimens or literature of any interest to dental students, that they make contributions. Each specimen and book receives proper care, and credit is given the donor.

DEGREE.

The degree of *Doctor of Dental Surgery* is conferred upon all students not under twenty-one years of age, who have satisfactorily completed the required course of study, paid all required fees, passed all examinations, performed such practical operations in the operative and prosthetic departments, as may be required, and conformed with such other regulations as the faculty may prescribe. Graduates of Dentistry of other institutions are required to attend one full course and comply with all the regulations of the senior year in order to receive a degree from Western Reserve University. Candidates who attain a general average of ninety per cent. in all their examinations receive honorable mention.

FEES AND OTHER EXPENSES.

The fees are as follows: (1) Matriculation fee of five dollars. This is paid only once. (2) An annual fee of one hundred dollars, is payable at the opening of the term.

Students who cannot pay the whole amount at that time may pay fifty dollars then and after January 1 of the college year there will be *fifty-five dollars* due, providing the whole amount is not paid on that date. (3) An annual examination fee of ten dollars, due April 1.

Students who desire to pay for the entire three years' course by December 1st of the first year will be allowed a reduction of fifty dollars on the whole amount. There is

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no diploma fee. No fee is required for any of the laboratory courses or dissection.

EXAMINATIONS.

No student is permitted to present himself for examination who has not paid all dues. A fee of ten dollars for examinations is required April 1st.

Students who have failed in any branches are given an opportunity for a second examination, but it shall not be later than December 1st in the succeeding year. A student may register in the succeeding year but will not be allowed to continue in it after December 1st if he is deficient in more than two branches.

A fee of two dollars is required for a re-examination. A second re-examination can only be given with the consent of the faculty.

There are no scholarships or special prizes.

Students are liable for breakage in the chemical and histological laboratories. An expense of about two dollars for microscopic slides is necessary in the first year, but they remain the property of the student.

No student is permitted to enter the laboratories and operatory until he presents a receipt for fees, and also is provided with the necessary equipment of instruments and tools. Books and instruments can be bought within a short distance of the college

The College fees are paid to the Dean.

The expenses for each year, including fees, are as follows:

FIRST YEAR.

Matriculation (paid only once)	$ 5 00
Tuition	100 00
Instruments	26 00
Books	24 00
Examination at close of term	10 00
	165 00

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SECOND YEAR.

Tuition	$100 00
Instruments, including engine, about	90 00
Books	11 00
Examination at close of term	10 00
	211 00

THIRD YEAR.

Tuition	$100 00
Books	17 50
Examination at close of term	10 00
No Diploma Fee.	
	127 50

Good board may be had from $2.50 to $5.00 a week; good accommodations for board and lodging, from $4.00 a week and upwards. Students applying to the Janitor, Andrew Artman, at the College building, as soon as they reach the city, will be directed to reliable boarding houses, of which he has a carefully prepared list.

SOCIAL LIFE.

The College seeks to surround its students with the best influences, and the Faculty therefore encourages them to exert their talents in commendable directions. During the session of 1896-97 a flourishing dental society was organized for the purpose of placing serious responsibilities upon the students, and of inculcating true professional ideas. Each year this society elects its own officers and the president is made Curator of the College Museum, which office he holds during his Senior year. A glee and musical club is one of the interesting organizations to those musically inclined. Other societies and organizations exist among the students. Many of the students become members of the Young Men's Christian Association, whose building is next door to the

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College, and thus have use of a fine gymnasium and other means of amusement and recreation. A special rate of membership is made to students. There is a branch association of the Y. M. C. A. formed among the dental students. They hold meetings weekly.

For further information, address the Secretary of the Faculty, DR. W. H. WHITSLAR, No. 29 Euclid Ave., Cleveland, Ohio, who will cheerfully answer all inquiries.

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GENERAL SUMMARY.

TRUSTEES, INSTRUCTORS AND OTHER OFFICERS.

TRUSTEES.		
Western Reserve University only	7	
Adelbert College only	7	
Members of Both Corporations	18	
	—	32
ADVISORY COUNCIL (College for Women)	29	
Corresponding Members	15	
	—	44
INSTRUCTORS.		
Professors	60	
Associate Professors	5	
Assistant Professors	3	
Lecturers	10	
Instructors	18	
Demonstrators	22	
Assistants	15	
Non-Resident Lectures (1900-1901)	5	
	—	138
Librarians and Library Assistants	4	
Other Officers	8	
	—	12
Total		150

STUDENTS.

Adelbert College	206
The College for Women	222
The Graduate School	16
The Medical School	126
The Law School	100
The Dental School	113
Total	783

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APPENDIX.

DEGREES CONFERRED AT COMMENCEMENT, 1901.

ADELBERT COLLEGE.

BACHELORS OF ARTS.

Frank Smith Baker,
Lamar Taney Beman,
Herbert John Coates,
(*cum laude*),
Stanley Leman Galpin,
(*magna cum laude*),
Milton Stahl Garver,
(*magna cum laude*),
Theodore Hall, Jr.,
(*magna cum laude*),
Harry Barren Howells,
Roland Martin Jones,
Walter Cutler Jones,
Morris William Kastriner,
Clifford Marshall King,
Winfred George Leutner,
(*magna cum laude*),
John Roy McDowell,
(*magna cum laude*),
Ezra J. Morgan,
Wayland Buckingham Peck,
(*magna cum laude*),
William Ganson Rose,
George Ambrose Seaton,
(*magna cum laude*),
Claude Wilber Shimmon,
Louis Bryant Tuckerman, Jr.,
(*summa cum laude*),
Ralph Sargent Tyler,
(*magna cum laude*),
Otto Manthey Zorn.

BACHELORS OF LETTERS.

Isadore Freiberger,
George Washington Gurney,
Benjamin Haber,
Erie Clark Hopwood,
(*magna cum laude*),
John William Osborn,
(*magna cum laude*),
Carroll Adelbert Peabody,
(*magna cum laude*),
Emil Bruce Pratt,
Adelbert Hervey VanDuzer,
(*cum laude*),
Edward Adolph Wankowsky.

BACHELORS OF PHILOSOPHY.

Ernest Ford Donley,
Harry Tracy Duncan,
(*magna cum laude*).
Francis Florian Herr,
(*magna cum laude*),
Alfred Noah Kellogg,
Carl Henri Lenhart,
Thomas Leander Mead,
Walter Martin Scott,
Charles Farrand Taplin,
(*magna cum laude*).
Charles Albert Tilden,
Michael Cyrillus Yeagle.

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THE COLLEGE FOR WOMEN.

BACHELORS OF ARTS.

Hattie C. Carpenter,
Myrtle Elizabeth Dever,
Blanche Joanna Dissette,
Mabel Hope Dunsford,
Caroline Church Hardy,
Pearl Irene Horton,
Winifred Newton Jones,
Laura Josephine King,
Florence May Knowles,
Ethel May Parmenter,
Helen Mary Pelton,
Maud Stiles,
Mary Butler Thwing,
Alice Elizabeth Shanks.

BACHELORS OF LETTERS.

Mabel Eugenia Corll,
Mabel Spence Croxton,
Eleanor Elizabeth Magruder,
Viola L. Roth,
Helen Electa Thomas,
Marguerite Livingston Thomas,
Myrtle May Wiser.

BACHELORS OF PHILOSOPHY.

Edith Inez Beman,
Alice Lorraine Campbell,
Alice Doyle Drake,
Elsie May Holliday,
Evangeline Jenkins,
Leonora Belle Lane,
Elizabeth Anastatia McGorey,
Alexandra McKechnie,
Stella Stanley McKee,
Alice Winifred Riggs,
Norma Jeannette Smith,
Winifred Worswick Stowe,
Belle Waltz,
Harriet Amanda Whiteside.

THE GRADUATE SCHOOL.

MASTERS OF ARTS.

Edward Lewis Dodd, A. B.,
Phoebe Mary Luehrs, B. L.,
Marcia Masterman, B. L.,
Paul Hermann Phillipson,
Harry William Springsteen, B. S.,
George Edward Turrill, A. B.,
Maude Winship, B. L.

THE MEDICAL COLLEGE.

DOCTORS OF MEDICINE.

William Simmons Baldwin,
Arthur Holbrook Bill, A. M.,
Arthur E. Brown,
Paul P. Carlisle,
Robert H. Cowley,
John Dickenson, Jr.,
Simon Englander,
Albert H. Gill,
Arthur LeRoy Garrison,
Edward Grossman,
Charles H. Hay,
Charles S. Hoover,

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Edmund M. Ickes, B. L.,
A. Irving Ludlow, A. B.,
James T. McConnell,
Augustus W. Mercer, M. D.,
Roy B. Metz,
John Neuberger,
David W. Peppard,
William H. Richardson,
Roy L. Stackpole,
Arthur H. Stall,
Clarence B. Wean,
Charles J Wehr, A. B.,
Logan B. Zintsmaster.

THE LAW SCHOOL.

BACHELORS OF LAW.

Charles Kingsley Allen, A. B.,
Abraham Joseph Bialosky,
Mark Anson Copeland,
Thomas Henry Cowin,
Moses Riley Dickey, Jr.,
Thomas H. Dillon,
Frank Hazen Ewing,
James Formanek,
George Albert Gaston,
Frederick Charles Gillette, A. B.,
Lew Dell Gripman,
James Harlen Griswold, A. B.,
William Edward Gunn, Ph. B.,
Ernest Henry Herbkersman,
David Klein,
Charles Lessick,
Clarence Jonathan Neal,
Pierce David Metzger,
Peter Painter, Jr.,
Solomon Peskind,
Charles Andrew Pulley,
Harry Barber Sawyer,
Jacob Paul Saxer,
Christopher McClelland Smith,
Jefferson William Sutton,
Charles William Swartzel,
Robert Curtis Taylor,
David Udizky,
Willis Emerson White.

THE DENTAL COLLEGE.

DOCTORS OF DENTAL SURGERY.

Lewis Daily Aldrich,
Roy Erwin Belden,
Robert Burns Chamberlin,
(*honorable mention*),
Willard Fuller Chapin,
Alvin J. Endle,
Floyd Wesley Finch,
Charles Brett Fletcher,
John Baker Gillette,
William Johnson Gillie,
(*honorable mention*),
Charles Vandersall Gougler,
Joseph Patrick Henahan,
Delbert Hiram Henninger,
George Fenelon Hitchcock,
Harry Clay Holmes,
Arthur Wesley Maxwell,
Algernon Payne,
Samuel William Rice,
Clarence Orbin Shepherd,
William Alberto Sproull,
Hamilton Frederic Strong,
Archie Blanchard Wallace,
Louis Franks Wasson.

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HONORS AND PRIZES.

ADELBERT COLLEGE.

Commencement Honors

First Honor—Louis Bryant Tuckerman, Jr.,
Second Honor—Winfred George Leutner,
Third Honor—Stanley Leman Galpin,
Fourth Honor—John William Osborn.

Junior Honors

Equal Scholarship Honors to

John Alvin Alburn, Wilfred Henry Alburn,
Richard Emmet Collins, George William Saywell.

Phi Beta Kappa Society

Elected in June, 1900,

Harry Tracy Duncan, Stanley Leman Galpin,
Erie Clark Hopwood, Louis Bryant Tuckerman, Jr.

Elected in June, 1901.

SENIORS.

Milton Stahl Garver, Winfred George Leutner,
John William Osborn. Wayland Buckingham Peck,
Charles Farrand Taplin, Ralph Sargent Tyler.

JUNIORS.

John Alvin Alburn, Wilfred Henry Alburn,
Richard Emmet Collins, Herbert Gans Muckley,
George William Saywell.

The Two Year Honor in German to

Robert Emmet Finley, Birt Eugene Garver,
Harlan Adolphus Hepfinger.

The Two Year Honor in Greek to

Feist M. Strauss.

The Two Year Honor in Latin to

Feist M. Strauss.

THE HANDY PHILOSOPHICAL PRIZES

First Prize—Wayland Buckingham Peck,
Second Prize—Morris William Kastriner,
Honorable Mention—Carl Henri Lenhart.

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HARRIET PELTON PERKINS SCHOLARSHIP

Wilfred Henry Alburn.

PRESIDENT'S PRIZES

For the highest records for the Freshman Year in:

English

First Prize—John Frederic Oberlin,
Second Prize—Robert Crosby Lowe.

German (*Classical and Latin Scientific Courses*)

Leonard Corwin Loomis.

Greek

Carl Peter Paul Vitz.

Latin

First Prize—Joseph Frank Williams,
Second Prize—John Frederick Oberlin.

Mathematics

First Prize—John Frederic Oberlin,
Second Prize—Kenneth Ethelbert Hodgman.

Gymnasium

Raymond Patton.

Junior-Sophomore Oratorical Contest

First Junior Prize—Herman Joel Nord,
First Sophomore Prize—Walter Lewis Bissell,
Second Prize (*irrespective of class*)—John Alvin Alburn.

THE NEW SHAKSPERE SOCIETY'S PRIZE

For the best examination

Roland Martin Jones.

THE EARLY ENGLISH TEXT SOCIETY'S PRIZE

Francis Florian Herr.

THE HOLDEN PRIZE

For the best Sophomore Essay in English

Robert Emmet Finley.

Honorable Mention—Walter Lewis Bissell.

THE RUPERT HUGHES PRIZES

For the best Poems

First Prize—Erie Clark Hopwood,
Second Prize—Wilfred Henry Alburn.

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THE COLLEGE FOR WOMEN.

PRESIDENT'S PRIZES

For Freshmen Work in the Gymnasium
First—Lois Violet Ellett,
Second—Fanny Alice Dunsford.

THE HOLDEN PRIZE

For Sophomore Work in English
Charlotte May Parker.

ALUMNI ASSOCIATIONS.

ADELBERT COLLEGE.

President, C. M. RUSSELL, 1873.
Vice Presidents, REV. J. P. JONES, 1875.
DR. J. P. SAWYER, 1883.
Recording Secretary, CLARENCE P. BILL, 1894.
Corresponding Secretary, SHERMAN ARTER, 1886.
Necrologist, REV. D. T. THOMAS, 1885.

VISITING COMMITTEE OF THE ALUMNI.

W. C. PARSONS, 1863, C. D. EVERETT, 1880.

THE COLLEGE FOR WOMEN.

President, BERTHA L. TORREY, 1899.
Vice President, BERTHA LEE COE, 1894.
Recording Secretary, GRACE E. LOTTRIDGE, 1897.
Corresponding Secretary, SARAH BABBITT, 1899.
Treasurer—META O. PETERS, 1896.

FINANCE COMMITTEE.

HELEN M. SMITH, 1894, META O. PETERS, 1896.
EDITH A. HUGHES, 1899.

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THE MEDICAL COLLEGE.

President, DR. J. P. SAWYER, 1883.
Vice Presidents, DR. L. F. SWITZER,
DR. J. S. WOOD.
Recording Secretary, DR. G. C. ASHMUN, 1873.
Corresponding Secretary, DR. W. O. OSBORN, 1888.
Treasurer, DR. E. B. RHODES.

THE LAW SCHOOL.

President, F. W. GREEN, 1896.
Vice Presidents, D. B. WOLCOTT, 1899.
W. E. WHITE, 1901.
Secretary, D. G. JAEGER, 1900.
Treasurer, J. L. CANNON, 1898.

THE DENTAL COLLEGE.

President, DR. J. W. MCDILL, 1898.
Vice President, DR. RAYMOND KELLEY, 1898.
Secretary-Treasurer, DR. W. G. EBERSOLE, 1895.

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DIRECTORY.

The names of instructors and officers are printed in italics. Each name is followed by an abbreviation indicating the department to which the person belongs, viz:—A, Adelbert College; D, Dental Department; G, Graduate Department; L, Law School; M, Medical College; W, College for Women.

Abbot, H. G.—W.....212 Bell Av.
Adams, W. S.—L.....3714 Euclid Av.
Atkins, H. A.—W.....40 Cornell St.
Ake, H. R.—L.....461 Wade Park Av.
Albl, Charles—M.....1406 Broadway
Alburn, C. R.—A.....Eldred Hall
Alburn, J. A.—A.....Eldred Hall.
Alburn, W. H.—A.....Eldred Hall.
Allen, D. P.—M.....278 Prospect St.
Allen, F. E.—W.....Guilford House.
Allen, H. A.—W.....Guilford House.
Ambler, H. L.—D.....176 Euclid Av.
Annin, E. C.—W.....Guilford House.
Arnos, W. T.—L.....Adelbert Hall.
Ashmun, G. C.—M.....794 Republic St.
Austin, J. B.—M.....217 Oakdale St.

Bachman, C. C.—D.....14 Bailey St.
Badger, G. P.—W.....Guilford House.
Bailey, A. L.—W.....93 East Lake.
Ballantyne, M. L.—W...East Cleveland.
Banker, N. S.—M....739 Superior St.
Barnes, E. A.—A.....Adelbert Hall.
Barnes, Horace—A....21 Claremont St.
Barnes, V. E.—D.....N. E. Bldg.
Barnett, G. F.—A.....Adelbert Hall.
Barret, E. P.—W....383 Norwood Av.
Barrows, H. S.—D....44 Wooldridge St.
Bates, A. A.—D.....838 Superior St.
Bauman, G. I.—M.....1279 Cedar Av.
Baxter, E. C.—A.....153 Cornell St.
Baxter, J. W.—A.....29 Aetna St.
Beard, H. L.—L.....117 Adelbert St.
Beaton, Isabella—W...462 Kinsman St.
Beck, B. E.—W.....85 Hower Av.
Becker, H. A.—M.....Pearl and Clark.
Bell, W.—D.....426 Superior St.
Bennett, Grant—L.....987 Doan St
Berger, S. S.—M.....1859 Superior St.
Bernsteen, M. L.—L.....67 Fifth Av.
Bill, C. P.—A.....853 Logan Av.
Birge, R. H.—M.....260 Euclid Av.
Bishop, E. L.—W.....70 Ingleside Av.
Bissell, W. D.—D.....30 Wilbur St.
Bissell, W. L.—A.....201 Adelbert St.
Black, C. E.—W.....Guilford House.
Blackburn, H. W.—A....142 Cornell St.
Boggs, Jessie—W.....1257 Euclid Av.
Bohm, A. E.—M....311 Huntington St.
Bolden, J. J. L.—M.....25 Newton St.
Bolton, T. B.—L.....28 E. Prospect St.
Boss, J. W.—M.....530 Euclid Av.
Boulden, H. O.—W.....119 Poplar St.
Bourland, B. P.—A.....Adelbert Hall.
Bourne, H. E.—W.....Absent.
Bowdler, A. E.—L....135 Adelbert St.
Bowes, J. W.—L.....117 Adelbert St.
Bowman, B. H.—D.....508 Prospect St.
Boyle, J. J—L.....49 Fairchild St.
Boyle, T. A.—A.....121 Bell Av.
Brassington, B. S.—W..Euclid Heights.
Brett, J. H.—M.....34 Ocean St.
Brewster, W. G.—D.....The Gladstone.
Briggs, W. D.—A.....2238 Euclid Av.
Briggs, C. E.—M..The New Amsterdam.
Brown, E. D.—M.....1617 Cedar Av.
Brown, N. W.—M.....331 Kennard St.
Bruce, C. A.—W.....49 Lincoln Av.
Bruckshaw, M. G.—W.36 Beechwood St.
Bruckshaw, M. I.—W.36 Beechwood St.
Bruner, W. E.—M.....N. E. Bldg.
Brunswick, M. E.—L....1195 Case Av.
Brush, Edna—W.....1003 Euclid Av.
Buck, B. B.—M.....701 Superior St.
Budde, I. F.—W.....116 Spangler Av.
Bundy, L. M.—D.....500 Erie St.
Bunts, F. E.—M.....275 Prospect St.
Burroughs, Shepard—M..229 Euclid Av.

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Buschman, M. C.—W...Guilford House.
Byal, C. B.—A.....201 Adelbert St.

Caldwell, E. C.—A.....Adelbert Hall.
Camp, G. H.—D.....313 Prospect St.
Campbell, H. C.—A.....68 Bell Av.
Campbell, J. S.—A....1035 St. Clair St.
Campbell, R. S.—A....2209 Superior St.
Canfield, A. S.—W.....Guilford House.
Canfield, H. H.—A.....Euclid Heights.
Cannon, G.—D.....701 Superior St.
Carbon, G. L.—D.....17 Tennis St.
Carle, E. L.—A.....24 Streator Av.
Carnes, W. B.—A.....147 Cornell St.
Carpenter, A. C.—L...125 Streator Av.
Carpenter, J. W.—A.....46 Knox St.
Carpenter, M. W.—M....451 Pearl St.
Carrell, E. B.—W.....467 Bolton Av.
Carrington, C. M.—L....25 Vestry St.
Carter, E. P.—M.....8 Hayward St.
Case, C. J.—A.....149 Cornell St.
Case, C. L.—L.....49 Fairchild St.
Case, C. S.—D..Stewart Bldg, Chicago.
Chaffe, L. L.—W.....Guilford House.
Chaffee, S. L.—A.....239 Genesee Av.
Chamberlain, F. S.—L..1267 Slater Av.
Chamberlain, J. A.—L.126 Murray Hill.
Chamberlain, P. R.—A....76 White Av.
Chamberlain, W. P.—M..6 Wycombe Pl.
Chambers, E. E.—D....44 Chestnut St.
Champ, S. M.—W.....59 Bolton Av.
Chandler, B. M.—W....Guilford House.
Chapman, H. B.—L.....E. Cleveland.
Chapman, H. B.—W....810 Rose Bldg.
Chapman, M. E.—W....103 Marcelline.
Chapman, Winifred—W.445 Russell Av.
Chapman, W. H.—L.....11 Sackett St.
Cheetham, A. M.—M...805 E. Madison.
Cherdron, Carl—M.....110 Erie St.
Childs, L. W.—M.Wade Park & Dunham.
Christie, L. M.—D..323 Huntington St.
Claflin, C. E.—W.....446 Dunham Av.
Clark, F. S.—M....493 Colonial Arcade.
Clark, Myra—W.....130 Melvin St.
Clark, M. F.—W.....348 Dunham Av.
Clark, M. G.—W.....Guilford House.
Clarke, H. L.—A.....102 Adelbert St.
Clarke, W. B.—A.....345 Orange St.
Clemens, C. E.—W....1093 Prospect St.
Cleveland, A. M.—W....392 Bolton Av.
Cline, C. E.—D...504 Lake View Flats.
Cline, H. L.—A.....201 Adelbert St.
Coates, J. A.—D.....254 Scovil Av.
Cobb, P. W.—M.....37 Hazard St.
Coe, C. M.—A.....Glenville.
Cole, B. G.—W.....199 Van Ness Av.
Cole, G. S.—L.....117 Adelbert St.
Collard, K. E.—W.....189 Taylor St.
Collins, A. W.—Jntr....106 Cornell St.
Collins, E. M.—W.....1235 Cedar Av.
Collins, R. E.—A..1784 Woodland Hills.
Comin, H. L.—A.....168 Streator Av.
Conant, J. L.—A.....22 Bleeker St.
Conde, Edith—W.....33 Wellesley St.
Connell, A. E.—M.....16 Dunham Pl.
Conner, J. W.—A.156 Murray Hill Av.
Cook, G. A.—A.....49 Fairchild St.
Cook, W. H.—A.....724 Republic St.
Cooper, W. C.—D.....32 Public Sq.
Corlett, C. E.—M.....264 Sawtell Av.
Corlett, W. T.—M.....553 Euclid Av.
Corrigan, Francis—A..66 Covington St.
Counts, A. F.—A.....Adelbert Hall.
Cowell, B.—A.....91 Arlington St.
Cox, H. R.—A.....2481 Euclid Av.
Crawford, E.—A.....972 Cedar Av.
Crawford, H. J.—L.....3 Republic Pl.
Creedon, M. A.—W...69 Beechwood St.
Crile, G. W.—M.....169 Kensington St.
Christy, E. B.—W.....Mayfield Hill.
Culp, W. E.—D.....664 Castle Av.
Culver, J. W.—D.....407 Prospect St.
Cummer, C. L.—A.....396 Bolton Av.
Curtis, M. M.—A.....43 Adelbert St.
Cushing, H. F.—M.....1160 Euclid Av.
Cushing, H. P.—A.....260 Sibley St.
Cutts, C. H.—A.....24 Melvin St.

Daehler, J. W.—A.....125 Adelbert St.
Dalley, E. C.—W.....281 Hough Av.
Daniels, G. M.—W..184 Murray Hill Av.
Daniels, J. E.—W..134 Murray Hill Av.
Darby, J. E.—M.....2238 Euclid Av.
Darby, J. C.—M.....Lakeside Hospital.
Daugherty, J. B.—A....Euclid Heights.
Davidson, J. A.—W....24 Elsinore St.
Davis, A. S.—L....131 Murray Hill Av.
Davis, J. R.—M.....99 Lawnview Av.
Davis, R. E.—D.....44 Fairview Av.
Dawley, W. J.—A.....201 Adelbert St.
Dean, B. E.—A.....Fairmount.
DeArment, L. L.—D.....7 Dodge Ct.
Deering, R. W.—W.....41 Cornell St.
DeFrees, R. G.—A.....Adelbert Hall.

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Desberg, F.—L.....1050 Central Av.
Deutsch, S. J.—L.....37 Walker St.
DeWitt, S. A.—W.679 East Prospect St.
Dickerman, John—A.....852 Doan St.
Difford, C. L.—A.....49 Alum St.
Dilley, F. E.—M.....3717 Euclid Av.
Dixon, Harry—D.....749 Superior St.
Donaldson, A. G.—D.109 Huntington St.
Donaldson, G. W.—D..154 N. Perry St.
Donaldson, J. B.—M..154 N. Perry St.
Doster, A. M.—W....72 Merchants Av.
Doster, E. E.—L..117 Murray Hill Av.
Douttiel, G. W.—D.....174 Lyman St.
Doyle, G. F.—D.....951 Cedar Av.
Drake, A. D.—W.....792 Republic St.
Drayer, C. E.—A.....116 Streator Av.
Duff, A. L.—D.....The Gladstone.
Dugan, D. L.—A.....116 Streator Av.
Duncan, H. T.—L.....78 Fifth Av.
Dunham, Alice—W....388 Dunham Av.
Dunn, F. A.—D.....207 Dunham Av.
Dunn, W. H.—D....125 Huntington St.
Dunsford, F. A.—W....Guilford House.
Durstine, L. W.—W....757 Willson Av.
Dusek, O. F.—D.....123 Humboldt St.
Duty, Alice—W.....2577 Euclid Av.

Eastman, E. L.—W...161 Avondale Av.
Edwards, E. H.—G....29 W. Clinton St.
Edwards, H. E.—M....161 Putnam St.
Eibling, A. J.—L.....228 Payne Av.
Eisenbrey, A. B.—A.....68 Adelbert St.
Eisenhauer, J. A., Jr.—A..1433 Willson.
Elder, B. L.—L.....600 Lake St.
Ellenberger, Albert—A..Euclid Heights.
Ellet, L. V.—W.....Guilford House.
Elliott, C. C.—M.....855 Stark Av.
Elliott; R. W.—M.....855 Stark Av.
Emerson, O. F.—A.....50 Wilbur St.
Emery, R. S.—A.....2036 Broadway.
Englander, Louis—A....147 Cornell St.
Enyeart. C. T.—A.....Adelbert Hall.
Evans, J. A.—M.....Medical College.
Evans, L. W.—D....109 Huntington St.
Evarts, F. B.—A.....99 Bellflower Av.
Everett, M.—W.....887 Doan St.

Fairbanks. J. W.—D...154 N. Perry St.
Fairfax, D. R.—A.....68 Calvert St.
Farwell, E. W.—L...820 Fairmount St.
Felger, T. H.—D.....68 Collins Pl.
Feniger, B.—L.....512 Orange St.
Ferry, M. I.—W.....821 Fairmount St.
Fick, E. H.—G.....189 Kennard St.
Fife, R. H.—W.....91 Mayfield St.
Filius, G. T.—A.....117 Adelbert St.
Findlay, H. L.—A.....151 Cornell St.
Findlay, J. L.—L.....151 Cornell St.
Findlay, Wm.—Jntr.....149 Cornell St.
Findley, E. R.—A.....151 Cornell St.
Finley, R. E.—A.....730 Republic St.
Fish, John—A.....147 Cornell St.
Fish, Matilda—W.....224 Streator Av.
Fliedner, Frieda—W.160 Wellington Av.
Flower, A.—M.....Erie and St. Clair.
Flower, Mrs.—M....Erie and St. Clair.
Flynn, J. F.—M.....The Ellington.
Foltz, J. G.—D.....407 Prospect St.
Forbes, G. N.—A.....Adelbert Hall.
Fowler, H. N.—W.....49 Cornell St.
Fox, W. L.—A.....102 Adelbert St.
Frankle, K. G.—D....520 Woodland Av.
Frazier, J. W.—D.....88 Handy St.
Freedlander, Etta—W...158 Putnam St.
Freer, J. N.—D.....664 Castle Av.
Freer, M. R.—W.....1528 Cedar Av.
Friedman, Malvina—W..132 Hawthorne.
Friend, A. K.—D.....1065 Pearl St.
Fritz, R. F.—A.....49 Fairchild St.
Fuller, A. L.—A.....45 Wilbur St.
Furth, Hortense—W....The Brooklawn.

Gage, R. T.—A.....788 Republic St.
Gammel, R. E.—A.....413 Dunham Av.
Garman, C. C.—A.....Adelbert Hall.
Garman, C. P.—A.....Adelbert Hall.
Garrison, A. L.—M....275 Prospect St.
Garver, C. V.—M.....442 Euclid Av.
Garver, B. E.—A..127 Murray Hill Av.
Geib, F. J.—M....Willson and Prospect.
Gerstenberger, Henry—M.113 Linden St.
Gleason, A. G.—W.....168 Cedar Av.
Gleeson, J. A.—W.....54 Kenwood Av.
Gibbons, C. E.—A....766 Fairmount St.
Gifford, E. E. M.—W....107 Gaylord St.
Gilbert, C. A.—A.....1604 Euclid Av.
Gilchrist, B. R.—W....560 Franklin Av.
Gilchrist, Helen—W...560 Franklin Av.
Gill, J. G.—G.....788 Fairmount St.
Gillette, F. C.—L...988 E. Madison Av.
Gillie, W. H.—A.....117 Adelbert St.
Gillin, G. M.—W.....91 Quincy St.
Gillmer, Bessie—W....Guilford House.
Golden, H. G.—M....99 Lawnview Av.

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Goodman, Isadore—M.264 Columbus St.
Gould, H. C.—L.....28 Mayfield St.
Graff, W. B.—D.....694 Superior St.
Graham, H. D.—D.....7 Dodge Ct.
Granger, Walter—L....893 St. Clair St.
Gray, S. E.—W.....199 Quincy St.
Green, D. E.—L...131 Murray Hill Av.
Green, F. W—L....Rice Av., Newburg.
Green, G. W.—D.....818 Superior St.
Griffin, L. E.—W.....2238 Euclid Av.
Griffin, Maurice, Jr.—A..41 Cornell St.
Griffis, A. L.—D.....172 Dodge St.
Griffiths, T. E.—M..1104 Woodland Av.
Grill, N. D.—D.....826 Superior St.
Grills, Albert—M.....97 Rosedale Av.
Gruener, H.—W.....43 Knox St.
Gunn, J. J.—A.....158 Dibble Av.

Haber, B.—L.....8 Lewiston St.
Hadden, Alex.—L...1670 Lexington Av.
Hagan, A. C.—W.....386 Wilson Av.
Hager, B. E.—W.....Nottingham.
Haggerty, A. J.—L.....240 Hodge St.
Hahn, D. C.—D.....159 Sterling Av.
Hahn, E. A.—L.....633 Scovil Av.
Haldy, W. A.—M.....502 Euclid Av.
Hall, E. H.—W.....75 Adelbert St.
Hall, E. T.—L.....3218 Detroit St.
Hall, Theo.—L.....40 Knox St.
Hamann, C. A.—M.....661 Prospect St.
Hammond, A. P.—M.607 Lakeview Flats
Handerson, J. A.—W..444 Dunham Av.
Harbine, S. S.—W.....75 Adelbert St.
Haring, H. A.—Treas.....78 Cornell St.
Harris, Charles—A.....Absent.
Harris, R. G.—A.....2211 Euclid Av.
Hartz, C. A.—W.....987 Case Av.
Harvie, L. E.—L.....Adelbert Hall.
Hatch, W. E.—M.....141 Chestnut St.
Hatcher, R. A.—M..Erie and St. Clair.
Hathaway, J. J.—M..1378 Superior St.
Hauxhurst, E. M.—W..13 Kenmore St.
Hawn, C. B.—D.....138 Dodge St.
Hawthorne, H. E.—L....147 Cornell St.
Hay, M. M.—W.....75 Adelbert St.
Haydn, H. C.—W.....15 LaGrange St.
Haydn, H. M.—W.....15 LaGrange St.
Haydn, R. E.—W.....Guilford House.
Haynes, R. A.—A.....389 Cedar Av.
Hays, G. R.—M.....57 Sibley St.
Heath, H. H.—M.....58 Marloes Av.
Heinmiller, W. H. C.—A.5 Steinway Av.
Henderson, G. M.—W...East Cleveland.
Henning, H. S.—W....Guilford House.
Henry, F. A.—D.....Williamson Bldg.
Hepfinger, H. A.—A.....Willoughby.
Herr, F. F.—G.....1276 Scranton Av.
Herrick, F. C.—M.....367 Erie St.
Herrick, F. H.—A.....43 Cutler St.
Herrick, F. R.—L.....449 Russell Av.
Herrick, H. J.—M.....367 Erie St.
Heftick, H. W.—A.....3006 Euclid Av.
Herrick, P. W.—W....3006 Euclid Av.
Hetzel, H. M.—W.....75 Adelbert St.
Hill, E.—D.....312 Prospect St.
Hill, E. M.—W.....350 Russell Av.
Hill, W. C.—M.....459 Euclid Av.
Hinde, F. A.—W...158 Murray Hill Av.
Hird, E. F.—A.....44 Nantucket St.
Hird, M. A.—W.....Guilford House.
Hirsh, Leon—M.....393 Jennings Av.
Hitch, A. E.—D.....35 Lake Front Av.
Hobart, Raymond—A...201 Adelbert St.
Hobbs, P. L.—M.....1420 Euclid Av.
Hobday, E. J.—L.....182 Ontario St.
Hoch, W. K.—D.....1065 Pearl St.
Hodgman, K. E.—A.....29 Foster St.
Hoffman, J. J.—A.....1059 Central Av.
Hogg, I. McC.—A.....139 Cornell St.
Hogg, J. H.—L.....2638 St. Clair St.
Holeman, R. B.—D.....184 Dodge St.
Hollbaugh, Harry—M..753 Superior St.
Holland, M. A.—W.....Guilford House.
Holliday, W.—A.....30 Miles Park St.
Hoover, C. F.—M.....702 Rose Bldg.
Hopkins, E. H.—L.....84 Miles Av.
Hopkinson, M. E.—W...288 Gordon Av.
Horton, P. I.—W....100 Claremont St.
Hoskins, F. C.—M...900 Fairmount St.
Howard, W. T., Jr.—M..88 Dorchester.
Howland, Paul—L.....11 Granger St.
Hubbel, Elizabeth—W..65 Arlington St.
Hubbell, F. M.—A...673 Franklin Av.
Huddleston, C. M.—W..Guilford House.
Hulbert, W. O.—A.....139 Cornell St.
Hull, Bradley, Jr.—A....340 Euclid Av.
Hulme, W. H.—W.....48 Mayfield St.
Humiston, W. H.—M....526 Rose Bldg.
Hunt, Agnes—W.....51 Mayfield St.
Hunt, F. F.—L.....49 Fairchild St.
Hunt, J. E.—M.....726 E. Prospect St.
Hutchins, F. C.—M....373 Jennings Av.

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Ikirt, F. H.—M....Erie and St. Clair.
Ingalls, N. W.—M....Erie and St. Clair.
Ingersoll, J. M.—M.....Arcade.
Irwin, G. H.—D.....7 Wycombe Pl.
Isham, J. B.—M.....828 Rose Bldg.

Jacobi, C. E.—W.....63 Beersford Pl.
Jackson, C. J.—A....845 Fairmount St.
Jackson, F. W.—M.....37 Hazard St.
Jackson, R. E.—D.....313 Prospect St.
Jackson, V. M.—W....2900 Superior St.
Jaeger, D. G.—L.....113 Brookfield St.
James, C. B.—A.....958 S. Logan Av.
Jaynes, E. H.—L.....Adelbert Hall.
Jenkins, A. A.—M.....38 White Av.
Jenks, P. R.—A.....Nottingham.
Johnson, D. E.—A.....53 Calvert St.
Johnson, H. H.—L.....Euclid Heights.
Johnston, H. C.—A.....45 Knox St.
Jones, E. I.—W.....1635 Harvard St.
Jones, E. M.—W..158 Murray Hill Av.
Jones, F. E.—W.....1685 Harvard St.
Jones, F. T.—G.....40 Knox St.
Jones, N. M., Jr.—M....162 Taylor St.
Jones, Oliver—A.....2370 Elmwood St.
Junge, M. E.—W.....951 Detroit St.

Kastriner, M. W.—L.....731 Scovil Av.
Kaufman, Lulu—W.....981 Case Av.
Kelker, H. C.—M.....28 Cheshire St.
Kelly, J. C.—W.....165 University St.
Kelly, M. M.—W.....165 University St.
Kendall, M. B.—W....1306 Cedar Av.
Kennedy, T. M.—L.....49 Fairchild St.
Kennedy, O. W.—L.....49 Fairchild St.
Kenyon, H. C.—D.....677 Arcade.
Kenyon, S. C.—W.....Guilford House.
Kiefer, L. R.—W.....Guilford House.
King, G. A.—W.....East Cleveland.
King, M. H.—W.....Guilford House.
King, P. F.—M.....99 Lawnview Av.
Kingsbury, C. H.—W....94 Bertram St.
Kitchen, J. H.—L.....858 Euclid Av.
Kitzsteiner, R.—D.....158 Luverne St.
Klaus, Emanuel—M.....958 Lorain St.
Klaus, M. H.—M.....958 Lorain St.
Knisely, W. B.—A.....1578 Cedar Av.
Koblitz, E.—M..Broadway & Humboldt.
Koblitz, S. R.—W.....63 Osborne St.
Kocmit, E. J.—D.....62 Petrie St.
Konigslow, Ella—W....882 Scovill Av.
Kramer, S. E.—L.....34 VanBuren St.
Krauss, C. L.—W....1997 Superior St.
Krejci, L. H.—W.....290 Forest St.
Krider, L. B.—W.....423 Bolton Av.
Krug, E. L.—W.....51 Fourth Av.
Kurtz, L. C.—W.....8 Cedar Av.
Kurzenberger, W.—L.....72 Noyes St.

Ladd, L. W.—M.....Colonial Flats.
Laisy, Jacob—M.....Syracuse, Neb.
Lakin, Mary—G.....51 Mayfield St.
Landsberg, Rhoda—W.....The Euclid.
Lane, C. W.—M....Erie and St. Clair.
Lane, J. J.—A.....71 Streator Av.
Langdon, H. E.—A....715 N. Logan Av.
Lanphear, W. P.—A....782 Republic St.
Large, S. H.—M.....N. E. Bldg.
Laub, W. J.—L.....874 Fairmount St.
Lawrence, James—L...709 Genesee Av.
Lawton, F. T.—A.....116 Streator Av.
Layman, L. R.—W.....Guilford House.
Lee, B. M.—W.....71 Tilden Av.
Lee, R. M.—L.....115 Ingleside Av.
Lehman, D. A.—G...843 Fairmount St.
Lembeck, F. R.—W.....46 Streator Av.
Lenhart, C. A.—M.....The Ellington.
Leonard, F. P.—D.....739 Superior St.
Leonard, R. N.—D.....168 N. Perry St.
Leonard, W. M.—D....168 N. Perry St.
Lessick, F. A.—W....486 Giddings Av.
Levine, M.—L.....66 Croton St.
Lewis, W. A.—M.....88 Lawnview Av.
Lincoln, W. R.—M.....275 Prospect St.
Lindsay, J. F.—M.....32 Hazard St.
Line, C. E.—D.....111 Sayles St.
Linn, Irma—W.....151 Courtland St.
Livingston, B. W.—D.91 Huntington St.
Lloyd, H. R.—A.....Wickliffe.
Long, W. L.—L.....45 Knox St.
Loomis, H. R.—L.....7 York St.
Loomis, L. C.—A....1280 Willson Av.
Lothrop, L. M. S.—W.1745 Harvard St.
Lotspietch, R. G.—A.....6 Cornell Pl.
Lower, M. M.—D.....838 Superior St.
Lower, Wm. E.—M.....275 Prospect.
Lowman, J. H.—M....441 Prospect St.
Lowrey, H. D.—D.....168 N. Perry St.
Luck, T. D.—W.....829 Scranton Av.
Lueke, Martha—W.....708 Willson Av.
Lustig, H.—L.....2773 Broadway
Lyman, M. E.—W.....Guilford House.
Lymon, I.—D.....190 Greenwood St.

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McAaron. W. S.—L.....483 Cedar Av.
McArthur, A. F.—A....203 Oakdale St.
McCleary, J. M.—L.....728 Union St.
McClure, R. H.—M.....618 East Av.
McClure, W. C.—L.....838 Doan St.
McConkey, J. C.—D....28 Cheshire St.
McCune, F. K.—M.....37 Plymouth St.
McCurdy, S. M.—M...42 Lawnview Av.
McDonough, J. F.—D..449 W. Madison.
McFall, J. B.—W.....Guilford House.
McFate, J. C.—M.....739 Superior St.
McGeorge, R. R.—D...812 Superior St.
McGrew, E. L.—G.....715 Case Ave.
McKean, S. R.—W.....40 Summit St.
McKee, C. S.—A.....116 Streator Av.
McKerrall, J.—D.....215 Bayne St.
McKim, E. B.—W.....100 Oakdale St.
McKinney, Effie—W.....Guilford House
McLean, F. W.—W.....75 Adelbert St.
McLean, J. S.—D.....187 Dodge St.
MacDonald, Ethel—W..Guilford House.
Mach, H. L.—A.....688 Forest St.
MacIntyre, A. L.—W...136 Sawtell Av.
Magargee, G. W.—M.....162 Dodge St.
Magee, C. E.—D....242 E. Prospect St.
Manchester, F. S.—D...407 Prospect St.
Mannhardt, J. G.—M....698 Clark Av.
Manning, W. J.—M.....1 Dodge Ct.
Mapes, L. A.—D.....172 Dodge St.
March, F. O.—A.....153 Cornell St.
Markowitz, R. S.—W.....21 Vine St.
Martin, W. C.—A.....84 Marvin Av.
Marvin, W. T.—A.....86 Knox St.
Mathews, J. E.—L.....106 Alabama St.
Mathivet, E. C.—L...380 Woodland Av.
Meacham, M. J.—W....109 Lincoln Av.
Mead, R. W.—A.....Adelbert Hall.
Menger, F. J.—G.....107 Quinby St.
Merriam, W. H.—M....275 Prospect St.
Merrills, B. N.—A.....Wickliffe.
Messecar, L. A.—D.....The Gladstone.
Messer, I. C.—G.....244 Becker Av.
Metz, R. B.—M.....Medical College.
Meyer, A. W.—A.....844 Logan Av.
Meyer, Edward—A.....844 Logan Av.
Micklethwait, J. T.—L...Adelbert Hall.
Micklethwaite, O. R.—A..125 Adelbert
Miller, R. E.—D.....159 Sterling Av.
Miller, W. T.—A.....999 E. Madison.
Millikin, B. L.—M.....278 Prospect St.
Mills, V. G.—A.....Willoughby.
Minnig. Arnold—A.....2481 Euclid Av.
Miser, P. A.—W.....Guilford House.
Miser, W. G.—A.....Adelbert Hall.
Moffett, R. R.—A.....715 N. Logan Av.
Mohr, John—W.....6 Cleve St.
Monson, M. A.—W.....Guilford House.
Moore, A. G.—A.....129 Burt St.
Moorehouse, G. W.—M....39 Cutler St.
Morehouse, W. E.—A.....Adelbert Hall.
Morley, E. W.—A.....2238 Euclid Av.
Morris, C. A.—A...189 W. Madison Av.
Morris, M. A.—W..189 W. Madison Av.
Morris, W. P.—L.....2179 Euclid Av.
Morrow, Wilamina—W.228 E. Prospect.
Morton, M. I.—W.....Guilford House.
Moss, Beatrice—W.....39 Osborn St.
Muckley, H. G.—A..148 Hawthorne Av.
Muhlhauser, B.—A.....110 Walton Av.
Mumaw, E. M.—W.134 Murray Hill Av.
Mumaw, W. C.—L.....Adelbert Hall.
Murphy, J. V.—L.....Adelbert Hall.
Myers, F. E.—W.....1 Glen Park Pl.
Myers, W. E.—L...126 Murray Hill Av.

Neal, C. J.—A.....616 Woodland Av.
Nearpass, H. L.—A...761 N. Logan Av.
Neer, E. D.—A.....117 Adelbert St.
Neitzel, D. C.—W.....Bedford.
Newcomb, A. G.—L.....Adelbert Hall.
Nicholson, A. W.—D...701 Superior St.
Nieding, J. A.—L.....186 Taylor St.
Nimmons, W. T.—A.....45 Knox St.
Nims, W. W.—A.....798 Republic St.
Nolan, H. T.—L.....45 Fairchild St.
Nord, H. J.—A.....60 Bellflower Av.
Nostran, R. V.—W.....14 Stanley Av.
Nutt, A. P.—A...127 Murray Hill Av.

Oakley, A. E.—W.....800 Hough Av.
Oakley, L. E.—W.....800 Hough Av.
Oberlin, J. F.—A.....67 Cornell St.
O'Brien, J. W.—A.....Adelbert Hall.
O'Brien, K. M.—W.....The Milton.
Ochs, C. E.—M.....98 Herrick St.
O'Connor, N. A.—M..224 Starkweather.
Odlin, F. I.—W.....Guilford House.
Ohl, C. F.—L.....Adelbert Hall.
Oliver, T. B.—W.....Adelbert Hall.
Orth, C. F.—L.....139 Cornell St.
Osborn, W. O.—M.....275 Prospect St.
Ostrander, A.—D.....48 Wallace St.
Otis, E. M.—A.....16 Mariner St.

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Packer, L.—L.....1066 Prospect St.
Palda, G. A.—L.....1655 Broadway.
Palmie, A. H.—W.....84 Sayles St.
Park, W. C.—M.....141 Chestnut St.
Parker, C. M.—W.....Guilford House.
Parker, H. E.—A.....730 Republic St.
Parker, H. P.—M.....Colonial Flats.
Parkhurst, Charles—M.753 Superior St.
Parks, R. K.—W.....Collinwood.
Parmenter, E. H.—W...717 Republic St.
Parrish, F. B.—D..1255 Lexington Av.
Parrott, H. B.—A....805 Fairmount St.
Patterson, T. G.—D....429 Superior St.
Patton, Raymond—A.....Adelbert Hall.
Paulson, F. E.—W....1806 Euclid Av.
Pay, George—M.....47 Chestnut St.
Peck, E. M.—W.....28 Walker St.
Peiser, Simon—G. Willson and Woodland
Pelton, F. H.—A.....Collinwood.
Pennewell, C. E.—L...1254 Willson Av.
Pennington, G. L.—W....79 Hough Av.
Perkins, E. M.—W...121 Adelbert St.
Perkins, R. G.—M.....Colonial Flats.
Perrin, J. W.—A.....81 Cutler St.
Peskind, Ben—M.....1334 Willson Av.
Peterka, Edward—A.....51 Goethe St.
Peters, O. M.—W..301 Murray Hill Av.
Pettibone, E. L.—D.....The Gladstone.
Peturcha, Edward—M....51 Goethe St.
Petty, J. R.—A.....East Cleveland.
Pfeiffer, F. E.—A.....89 Sayles St.
Pfeifer, U. J.—A.....89 Sayles St.
Phelan, R. V.—A.....698 Bridge St.
Philen, J. R.—M....232 Champlain St.
Phillipson, P. H.—G. Willson & Woodland
Pierce, R. H. H.—A...168 Streator Av.
Pilcher, J. D.—M....54 Auburndale Av.
Pitkin, C. E.—M.....32 Hazard St.
Plant, A. C.—D.....154 N. Perry St.
Platner, S. B.—A.....24 Cornell St.
Polhamus, W. R.—A...20 Tennessee St.
Post, B. M.—W.....2211 Euclid Av.
Potwin, L. S.—A.....322 Rosedale.
Powell, H. H.—M.....467 Prospect St.
Powell, W. L.—D.....260 Euclid Av.
Prendergast, D. A.—M....61 Burton St.
Prentice, N. B.—A.....12 Lakeview Av.
Price, J. H.—L.....Eldred Hall.
Price, F. J. R.—D.....701 Superior St.
Price, W. A. V.—D....2288 Euclid Av.
Proctor, R. R.—A.....153 Cornell St.
Proudfoot, M. J.—W..2320 Spafford St.

Quay, Jean—W.....4050 Euclid Av.
Quayle, Z. G.—W.....290 Sibley St.
Quinby, M. C.—W.....East Cleveland.

Ralston, R.—D.....120 White Av.
Randolph, I. H.—L.....Adelbert Hall.
Rawson, M. J.—W.....75 Adelbert St.
Reece, E. J.—A.....59 Beersford Pl.
Reese, T. M.—W.....30 Tilden Av.
Reeve, F. A.—W.....49 Wilbur Pl.
Reichman, F.—W.....46 Knox St.
Reisser, O. H.—D.....55 Vega St.
Renouf, M. J.—D.....Kent, O.
Rhoades, Z. B.—W.....499 Russel Av.
Rider, W. H.—A.....147 Cornell St.
Riemenschneider, C. A.—A.
161 Beechwood St.
Riewel, Henry—M.....95 Perry St.
Risdon, Clara—W.....Guilford House.
Riser, M.—A.....36 Mentor St.
Robb, Hunter—M.....702 Rose Bldg.
Roberts, E. E.—W.....Guilford House.
Roberts, I. D.—W.....116 Gaylord St.
Roberts, N. M.—W.....30 Sayles St.
Robeson, L. P.—W.....106 White St.
Robison, W. L.—A.....5 Hayward St.
Rodgers, H. S.—D.....701 Superior St.
Ronk, H. K.—A.....26 Wilbur St.
Rorabeck, J. F.—A.....Adelbert Hall.
Rose, C. S.—L.....Adelbert Hall.
Rose, H. G.—A.....142 Cornell St.
Rosenberger, H. H.—D.168 N. Perry St.
Rosenfeld, B. M.—W..1329 Willson Av.
Rosenwasser, H. B.—D...722 Woodland.
Ross, C. D.—W.....249 Streator Av.
Rudolph, J. F.—M.....68 Mansion St.
Ruffini, C. A.—W.....891 Scovill Av.
Ruggles, J. R.—A....224 Streator Av.
Rummel, F. G.—D.....138 Dodge St.
Rushton, N.—L.....Adelbert Hall.
Ryan, J. A.—L.....795 Doan St.

Sabin, R. R.—W.....89 Tilden Av.
Sadler, E. R.—D.....188 Chestnut St.
Sager, W. C.—L.....Adelbert Hall.
Sague, J. E.—W.....Guilford House.
Salzer, A. M.—G.....619 Giddings Av.
Sampliner, E. A.—W...321 Kennard St.
Sampliner, W. E.—M.....The Augusta.
Sanderson, L. H.—W...166 Sawtell Av.
Saum, I. M.—D.....28 Cheshire St.
Sawicki, J. F.—L.....346 Fleet St.

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Sawyer, J. P.—M.....526 Rose Bldg.
Sawyer, R. T.—L.....54 Streator Av.
Sayle, F. M.—M.....1499 Cedar Av.
Saywell, G. W.—A....116 Streator Av.
Schlessinger, W. A.—M.129 McBride St.
Schmidt, E. C.—A..156 Murray Hill Av.
Schneider, C. B.—W..821 Fairmount St.
Schuele, L. C.—W.....Guilford House.
Schwartz, E.—L.....25 McKinstry St.
Schwegler, L. M.—W.....58 Euclid Pl.
Seagrave, P. W.—A.....55 Fourth Av.
Season, E. B.—M....18 Nantucket St.
Seesholtz, A. G.—W....Guilford House.
Selby, C. D.—M.....64 Hawthorne Av.
Selby, H. E.—W..25 Commonwealth Av.
Senn, C. H.—M.....755 Superior St.
Sensel, E. H.—A.....124 Putnam St.
Severance, A. D.—W..1981 Euclid Av.
Shakleton, Wm. E.—M..605 The Osborn.
Shankland, F. N.—A.....Adelbert Hall.
Shanklin, M. G.—W....261 Hough Av.
Sharp, O. B.—A.....45 Fairchild St.
Shea, J. C.—L.....74 Calvert St.
Shephard, G. W.—M....530 Euclid Av.
Shepherd, B. C.—L.....Adelbert Hall.
Shepherd, H. D.—W....Guilford House.
Sherbondy, J. A.—M...701 Superior St.
Shirey, O. M.—M.....171 Dodge St.
Shultz, J. E.—D.....407 Prospect St.
Sickman, O. F.—D....2238 Euclid Av.
Simpson, H.—L.....88 Quebec St.
Skeel, H. M.—W.....770 Republic St.
Skeel, M. M.—W.....17 Marble St.
Singer, W. E.—A..156 Murray Hill Av.
Sipher, J. A.—M.....442 Euclid Av.
Silke, J. H.—L.....Adelbert Hall.
Slusser, L. D.—L.....1 Arey St.
Smith, A. A.—D.....Berea, O.
Smith, B. B.—W.....1204 Cedar Av.
Smith, C. B.—W.....109 Oakdale St.
Smith, C. J.—A.....85 Adelbert St.
Smith, E. R.—W.....Guilford House.
Smith, G. I.—W.....Guilford House.
Smith, H. L.—D.....136 Dodge St.
Smith, L. L.—D.....785 Superior St.
Smith, R. G.—W.....40 Cheshire St.
Smith, W. A.—D.....749 Superior St.
Solberg, O. E.—W.....136 Stearns St.
Sollmann, T.—M....Erie and St. Clair.
Solmanson, S. H.—M....1022 Case Av.
Southwick, P. F.—M...141 Chestnut St.
Southworth, M. R.—A...147 Cornell St.
Spanner, L. B.—A.....240 Orange St.
Spelman, R. H.—A....Euclid Heights.
Spence, H. L.—M.....N. E. Bldg.
Spengler, O. L.—W.....63 Fourth Av.
Spengler, W. D.—A.....63 Fourth St.
Spicer, D. M.—M.....162 Chestnut St.
Spieth, L. C.—A...156 Murray Hill Av.
Spieth, W. O.—D.....17 Tennis St.
Sponseller, N. A.—L....Adelbert Hall.
Sprague, L. M.—W.....30 Bridge St.
Spring, C. E.—M....141 Chestnut St.
Stahl, W. F.—M.....171 Dodge St.
Stambaugh, C. D.—D...346 Genesee Av.
Standen, H. C.—D.....452 Scovil Av.
Stanford, V. L.—L.....55 Euclid Av.
Staral, J. A.—M.....1251 Wilson Av.
Stearns, A. A.—L.....87 Oakdale St.
Stedman, F. H.—A.....1944 Euclid Av.
Stetson, F. A.—L.117 Murray Hill Av.
Stewart, C. C.—M.....162 Dodge St.
Stevens, C. D.—A.....698 Republic St.
Stevens, E. E.—A.....2036 Broadway.
Stevens, H. F.—W.....2036 Broadway.
Stewart, G. N.—M...Erie and St. Clair.
Stewart, J. R.—M.....818 Case Av.
Stilwell, L. B.—W....87 Stanwood Rd.
Stinchcomb, C. E.—A.1177 Dennison Av.
Stoney, F. L.—W.....30 Bridge St.
Storer, W. A.—W.....95 Ingleside Av.
Storey, A. S.—M....1083 St. Clair St.
Strangways, T.—D....312 Prospect St.
Strauss, F. M.—A.....1388 Superior St.
Streich, A. C.—G.....2 Hodgson St.
Strong, C. A.—A.....109 Cornell St.
Strong, E. P.—L.....486 Lake St.
Strong, O. F.—D.....187 Dodge St.
Stuart, J. H.—A...136 Murray Hill Av.
Strunk, W. R.—A.....Adelbert Hall.
Suits, E. W.—A.....939 S. Logan Av.
Suits, J. C.—W.....30 Bertram St.
Suliot, M. E.—W.....2 Sturtevant St.
Summers, H. C.—A...1528 Superior St.
Sunkle, R. H.—M....Pearl and Clark.
Swift, H. F.—A.....147 Cornell St.
Sykora, L. C.—M.....221 Osborn St.

Taft, G. A.—W.....1082 Detroit St.
Tanner, E. M.—W.....25 Linwood St.
Tarnutzer, B. C.—M...914 Franklin Av.
Tarr, H. M.—M.....193 Clinton St.
Tarr, P. H.—A.....79 Sayles St.
Tarr, R. N.—W.....79 Sayles St.

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Taylor, F. J.—W.....78 Oakdale St.
Taylor, George—A.....89 Cutler St.
Taylor, T. J.—M.....294 Sterling Av.
Templeton, B. M.—W..Guilford House.
Teskey, E. L.—D.....889 Prospect St.
Thayer, M. H.—W.....Guilford House.
Thomas, C. W.—M.1394 Woodland Hills.
Thomas, F. L.—W....1467 Willson Av.
Thomas, G. F.—A.....Adelbert Hall.
Thomas, G. L.—W.....5 Hinman St.
Thomas, H. A.—A.....147 Cornell St.
Thomas, H. A.—W.....27 Walker St.
Thomas, J. J.—M....156 Crawford Rd.
Thomas, M. K.—W....2004 Superior St.
Thomas, O. T.—M.....85 Edgewood Pl.
Thompson, C. R.—D...798 Republic St.
Thompson, E. W.—W....72 Harriet Av.
Thompson, H. O.—Jntr...67 Cornell St.
Thompson, J. E.—M....2 Livingston St.
Thomsen, M. L.—L..502 Garfield Bldg.
Thorndike, A. H.—W....95 Mayfield St.
Thwing, C. C.—A.....44 Nantucket St.
Thwing, Chas. F.—W..55 Bellflower Av.
Tierney, J. S.—M.....Medical College.
Tompkins, G. E.—W....97 Luverne St.
Torrey, B. L.—W.....Guilford House.
Tower, O. F.—A.....8 Nantucket St.
Tracy, F. E.—W.....Euclid.
Trinter, W. P.—L.....1241 Willson Av.
Trowbridge, F. L.—L.....84 Miles Av.
Tryon. S. B.—A.....Adelbert Hall.
Turner, J. B.—W....98 Murray Hill Av.
Tuttle, A. G.—A.....853 Doan St.
Tyler, B. E.—M.....51 Daisy Av.
Tyler. J. W.—L.....21 Morse Av.

Uhlman, F. W.—A.156 Murray Hill Av.
Unger, R. C.—D.....889 Prospect St.
Upson, H. S.—M.....N. E. Bldg.
Ustick, L. W.—A.....Adelbert Hall.

Vail, H. D.—M.....190 Helen St.
Van Doorn, J. W.—D.....455 Arcade.
Van Epps, M. E.—W..915 S. Logan Av.
Van Pelt, T. C—D.....159 Sterling.
Van Voorhis, R. F..126 Murray Hill Av.
Vilas, G. E.—W.....220 Kennard St.
Vincent, J. A.—M.....777 Superior St.
Vitz, C. P. P.—A.....45 Marvin St.

Wachner, S. C.—A.....440 Scovill Av.
Wadsworth, C. H.—D...1304 Euclid Av.
Waite, F. C.—M.....77 Hillburn Av.
Waite, J. W.—A.....1086 Scranton Av.
Walker, E. W.—D.....508 Prospect St.
Walker, F.—A.....44 Nantucket St.
Walker, Mary—W.....2803 Broadway.
Wallace, A. M.—W.....28 Marion St.
Wallace, C. M.—A.....Willoughby.
Walsh, J. D.—W.....69 Tower Av.
Ward, E. G.—W.....Willoughby.
Ware, L. B.—L.....1480 Detroit St.
Wark, J. F.—D.....Rose Bldg.
Warner, R. C.—A.....Adelbert Hall.
Warnock, D. R.—L....2097 Euclid Av.
Warren, W. H.—L.....838 Doan St.
Watson, Harry—D.....62 SterlingAv.
Watkins, T.—D.....62 Sterling Av.
Watterson, H. S.—M.564 E. Prospect St.
Watts, I. R.—A.....Adelbert Hall.
Wearstler, H. O.—D.....The Gladstone.
Weaver, R. E.—A.....153 Cornell St.
Weber, J. H.—M.....442 Euclid Av.
Weber, O. A.—A...127 Murray Hill Av.
Webster, H. J.—L.....2378 Pearl St.
Wedler, Richard—M.....160 Colfax.
Wehr, C. J.—A.....Adelbert Hall.
Weimer, E. O.—W..144 Hawthorne Av.
Weis, Katie—W..Marcelline & Harvard.
Wells, J. H.—M.....Lonsdale Av.
West, Pearl—W.....203 Amesbury Av.
Whelan, Cecily—W....103 Kentucky St.
White, A. B.—A.....19 LaGrange.
White, Elizabeth—W.....Euclid.
White, H. C.—L.....344 Harkness Av.
White, Wm. H.—M.....459 Euclid Av.
Whitman, F. P.—A.....79 Adelbert St.
Whitstar, W. H.—D.....29 Euclid Av.
Wickham, B. B.—L..University School.
Wilcox, A. G.—A.....Adelbert Hall.
Wilcox, O. N.—A.....59 Olive St.
Wilkin, G. S.—A.....201 Adelbert St.
Williams, E. C.—Libr.....61 Grant St.
Williams, F. B.—L....111 Crawford Rd.
Williams, J. F.—A.....153 Cornell St.
Williams, L. B.—W...127 Streator Av.
Williams, L. B.—A...64 Glen Park Pl.
Williamson, C. C.—A..116 Streator Av.
Wills, O. G.—W.....38 Clarence Av.
Wilson, B. W.—M.....530 Euclid Av.
Wilson, G. H.—D.....44 Euclid Av.
Wilson, M. F.—W.....75 Adelbert St.
Wilson, R. L.—D.....The Genesee.
Windisch, J. S.—D.....23 Freeman St.

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Winship, Maud—W..100 Kensington St.
Winter, J. C.—A.....1252 Scranton Av.
Wittler, Mary—W.....75 Adelbert St.
Wolcott, J. V.—A.....72 Grasmere St.
Wolfram, E. B.—A.156 Murray Hill Av.
Womachka, E. A.—D.....53 Dolloff St.
Wood, A. L.—D.....The Gladstone.
Woodward, J. G.—A....203 Adelbert St.
Woolf, L. A.—M.....507 Prospect St.
Woolfolk, R. A.—A.156 Murray Hill Av.
Workman, I. S.—M.....55 Sibley St.
Workman, T. W.—D....28 Cheshire St.
Worley, N. J.—D....18 E. Franklin St.
Worrell, K. G.—D.....2238 Euclid Av.
Worthington, E.—W....34 Cheshire St.
Wright, D. A.—D.....832 Cedar Av.
Wright, H. M.—W.....Guilford House.
Wright, O. A.—A.....45 Knox St.

Yeagle, M. C.—M.....761 Superior St.
Yoder, H. E.—M.....9 Wycombe Pl.
Yohannon, David—M..1083 St. Clair St.
Young, Ida—W.....Guilford House.
Young, Jennie—W.....22 Melrose Av.
Young, J. L.—A.....345 Russell Av.
Young, J. H.—A.....17 Centennial St.
Young, S. A.—M.....2370 Crosby Av.
Young, T. C.—M..1872 Woodland Hills.

Zeigler, D. H.—D.....Rose Bldg.
Ziemer, W. O.—M...34 Woodbridge Av.
Zismer, C. A.—W.....112 Mechanic St.

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Western Reserve University,

CLEVELAND, O.

ADELBERT COLLEGE.
THE COLLEGE FOR WOMEN.
THE GRADUATE SCHOOL.
THE MEDICAL SCHOOL.
THE LAW SCHOOL.
THE DENTAL SCHOOL.

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WESTERN RESERVE UNIVERSITY
BULLETINS.

New Series.

VOL. VI, NO. 1.
JANUARY, 1903.
ANNUAL SUBSCRIPTION,
FIFTY CENTS.

Western Reserve University

CATALOGUE.

1902-1903.

[WITH ANNOUNCEMENTS FOR 1903-1904.]

CLEVELAND, OHIO.

Issued Bimonthly by
WESTERN RESERVE UNIVERSITY,
2430 Euclid Ave.

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1902 - 1903

CLEVELAND, OHIO.

CLEVELAND, O.
PRESS OF WINN & JUDSON
1903

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CALENDAR.

1902.		
22-23 Sept.	Monday-Tuesday	Examinations for admission
23 Sept.	Tuesday	First term begins.
27 Nov.	Thursday	Thanksgiving day.
24 Dec.	Wednesday	Winter recess begins.
1903.		
4 Jan.	Sunday	Winter recess ends.
29 Jan.	Thursday	Examinations begin.
7 Feb.	Saturday	First term ends.
8 Feb.	Sunday	Day of prayer for colleges.
9 Feb.	Monday	Second term begins.
22 Feb.	Sunday	Washington's birthday.
9 April	Thursday	Easter recess begins.
15 April	Wednesday	Easter recess ends.
30 May	Saturday	Decoration day.
4 June	Thursday	General examinations begin.
14 June	Sunday	Baccalaureate sermon.
15 June	Monday	Undergraduate day.
16 June	Tuesday	Prize oratorical contest, Adelbert College.
17 June	Wednesday	Meeting of alumni.
17 June	Wednesday	Commencement, College for Women.
18 June	Thursday	COMMENCEMENT.
19-20 June	Friday-Saturday	Examinations for admission.

SUMMER VACATION OF THIRTEEN WEEKS.

21-22 Sept.	Monday-Tuesday	Examinations for admission.
22 Sept.	Tuesday	First term begins.
26 Nov.	Thursday	Thanksgiving day.
24 Dec.	Thursday	Winter recess begins.

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..1902..

JULY.

S.	M.	T.	W.	T.	F.	S.
..	..	1	2	3	4	5
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AUGUST.

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SEPTEMBER.

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..1903..

JANUARY.

S.	M.	T.	W.	T.	F.	S.
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JUNE.

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JULY.

S.	M.	T.	W.	T.	F.	S.
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AUGUST.

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SEPTEMBER.

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OCTOBER.

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4	5	6	7	8	9	10
11	12	13	14	15	16	17
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WESTERN RESERVE UNIVERSITY.

GENERAL STATEMENT.

WESTERN RESERVE UNIVERSITY embraces six departments.

Adelbert College—formerly the Western Reserve College—founded at Hudson in 1826, and removed to Cleveland in 1882.

The College for Women, established in 1888.

The Department of Graduate Instruction, established in 1892 by the Faculties of Adelbert College and the College for Women; designed to offer to college graduates courses leading to the degree of A. M. and Ph. D.

The Medical College—formerly known as the Cleveland Medical College—founded in 1844, offering a course of four years in medicine.

The Franklin T. Backus Law School, opened in 1892; designed by means of a course of study covering three years, to give an adequate training for the practice of the law.

The Dental Department, opened in 1892; designed to teach the art of dentistry as a department of medicine.

Popular and educational lectures are included in the plans of the University.

CHARLES F. THWING, *President.*

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TRUSTEES.

CHARLES F. THWING, D. D., LL. D., *President*, CLEVELAND.
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EDWARD P. WILLIAMS, A. M., CLEVELAND.
†HENRY M. LADD, D. D., EAST CLEVELAND.
†CHARLES M. RUSSELL, A. B., MASSILLON.
*HARRY A. GARFIELD, A. B., CLEVELAND.
*CHARLES L. PACK, CLEVELAND.
†MOSES G. WATERSON, A. M., CLEVELAND.
‡JARVIS M. ADAMS, A. B., CLEVELAND.
HERBERT A. HITCHCOCK, A. B., MICHIGAN CITY, IND.
ALFRED A. POPE, CLEVELAND.
LOUIS H. SEVERANCE, CLEVELAND.
HENRY R. HATCH, CLEVELAND.
WORCESTER R. WARNER, CLEVELAND.
LEWIS H. JONES, A. M., YPSILANTI, MICH.
WILLIAM D. REES, CLEVELAND.
†WILLIAM G. MATHER, A. B., CLEVELAND.
*ANDREW SQUIRE, LL. D., CLEVELAND.
†D. Z. NORTON, CLEVELAND.
*CHARLES W. BINGHAM, A. B., CLEVELAND.
*CHARLES F. BRUSH, PH. D., LL. D., CLEVELAND.

HARRY A. HARING, A. B., *Secretary and Treasurer.*
OFFICE IN ADELBERT COLLEGE BUILDING.

*Trustees of the University only. †Trustees of Adelbert College only. All others are Trustees of both corporations.
‡Deceased.

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THE EXECUTIVE COMMITTEE OF THE UNIVERSITY.

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LOUIS H. SEVERANCE,
SAMUEL MATHER,
J. HOMER WADE,
WASHINGTON S. TYLER.

THE UNIVERSITY SENATE.

THE EXECUTIVE COMMITTEE.

THE PRESIDENT OF THE UNIVERSITY.

THE DEANS OF THE SEVERAL DEPARTMENTS.

PROFESSORS M. M. CURTIS and S. B. PLATNER, for Adelbert College.

PROFESSORS H. E. BOURNE and H. N. FOWLER, for the College for Women.

PROFESSORS J. H. LOWMAN and D. P. ALLEN, for the Medical College.

PROFESSORS H. H. JOHNSON and H. C. WHITE, for the Law School.

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FACULTY AND INSTRUCTORS.

Arranged alphabetically within each division.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.

President.

A. B., Harvard Coll., 1876; B. D., Andover Theological Seminary, 1879; D. D., Chicago Theological Seminary, 1888; LL. D., Illinois Coll. and Marietta Coll., 1894; President Adelbert College and Western Reserve University, 1890—

HIRAM COLLINS HAYDN, D. D., LL. D., 15 La Grange St.

Vice President and Harkness Professor of Biblical Literature.

A. B., Amherst Coll., 1856; D. D., Wooster Univ., 1878; LL. D., Amherst Coll. and Marietta Coll., 1888; President Adelbert College and Western Reserve University, 1887-90; Instructor in Biblical Literature, 1888-96; Professor of Biblical Literature, 1896—

HERBERT AUSTIN AIKINS, PH. D., 40 Cornell St.

Leffingwell Professor of Philosophy.

Acting Dean of the Graduate School.

A. B., Univ. of Toronto, 1887; Instructor, Univ. of Southern California, 1888; Yale Univ., 1888-91; Lecturer on History of Philosophy, Yale Univ., 1890-91; Ph. D., Yale, 1891; Professor of Logic and Philosophy, Trinity Coll., N. C., 1891-93; Honorary Fellow, Clark Univ., 1892-93; Professor of Philosophy, College for Women, 1893—

DUDLEY PETER ALLEN, A. M., M. D., 278 Prospect St.

Professor of the Theory and Practice of Surgery and Clinical Surgery.

A. B., Oberlin Coll., 1875; A. M., 1883; M. D., Harvard Univ., 1880; Freiburg, Berlin, Vienna, London, Leipsic, 1880-82; Lecturer and Professor of Surgery, Western Reserve University, 1893—

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Av.

Professor of Operative Dentistry and Hygiene.

Dean of the Dental College.

B. S., Hillsdale Coll., 1864; M. S., 1867; D. D. S., Ohio Coll. of Dental Surgery, 1867; M. D., Cleveland Univ. of Medicine and Surgery, 1868; Professor of Dental Science in the same institution, 1868-70; Lecturer in Dental Hygiene, Dental College of Western Reserve University, 1892; Professor of Operative Dentistry and Hygiene, 1893—

GEORGE C. ASHMUN, M. D., 794 Republic St.

Professor of Hygiene and Preventive Medicine,

Registrar and Bursar of the Medical College.

M. D., Cleveland Medical Coll., 1873; Professor of Diseases of Children, Wooster Univ., 1889-93; Professor of Hygiene, Western Reserve University, 1893—

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HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.

Professor of History.

A. B., Yale Coll., 1883; Principal of High School, Thomaston, Conn., 1883-84; B. D., Yale Divinity School, 1887; Hooker Fellow, Yale Divinity School, 1887-88; Teacher of History and Psychology, Free Acad., Norwich, Conn., 1889-92; Professor of History and Instructor in Philosophy, College for Women, 1892-93; Professor of History, 1893—

FRANK E. BUNTS, M. D., 275 Prospect St.

Professor of the Principles of Surgery and Clinical Surgery.

United States Naval Acad., 1881; M. D., The Medical Coll., Western Reserve Univ., 1886; Lecturer on Minor Surgery, Medical Department of Wooster Univ., 1887-88; Berlin, Vienna, Paris, 1888-89; Professor of Principles of Surgery, Wooster Univ., 1890-94; Professor of the Principles of Surgery and Clinical Surgery in Medical College, Western Reserve University, 1894—

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.

Professor of the Law of Pleading and Practice.

A. B., Ohio Wesleyan Univ., 1873; A. M., 1876; LL. B., Univ. of Michigan, 1876; Professor of Law of Contracts, Western Reserve University, 1896-1902; Professor of the Law of Pleading and Practice, 1902—

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.

Professor of the Law of Agency and Bills and Notes.

A. B., Oberlin, 1885; LL. B., Harvard Univ., 1890; Professor of the Law of Agency, Western Reserve University, 1897—

WILLIAM THOMAS CORLETT, M. D., L. R.C.P. (London), 553 Euclid Av.

Professor of Dermatology and Syphilology.

M. D., Wooster Univ., 1877; L. R. C. P., London, 1882; Professor of Dermatology and Syphilology, Western Reserve University, 1893—

GEORGE W. CRILE, PH. D., M. D., 169 Kensington Av.

Professor of Clinical Surgery.

A. B., Ohio Normal Univ., 1882; A. B., Wooster Univ., 1887; M. D., 1887; Student in New York, Vienna and London, 1887-95; Professor of Physiology and Surgery, Wooster Medical Coll., 1897-1900; Ph. D., Hiram Coll., 1899; Professor of Clinical Surgery, Western Reserve University, 1900—

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.

Handy Professor of Philosophy.

A. B., Hamilton Coll., 1880; B. D., Union Theological Seminary, 1883; A. M., Hamilton Coll., 1883; Pastor at Hastings-on-Hudson and at Cleveland, 1883-88; Univ. of Leipsic, 1888-91; Ph. D., 1890; Professor of Philosophy, Adelbert College 1891—

HENRY PLATT CUSHING, M. S., 260 Sibley St.

Professor of Geology.

Ph. B., Cornell Univ., 1882; Cornell Univ., 1882-83; School of Mines, Columbia Coll., 1883-84; Cornell Univ., 1884-85; M. S., 1885; Instructor in Geology, Chemistry and Physics, State Normal School, Mankato, Minn., 1885-91; Univ. of Munich, 1891-92; Instructor in Geology and Chemistry, College for Women, 1892-93; Associate Professor of Geology, 1893-95; Professor of Geology, 1895—

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EDWARD FITCH CUSHING, PH. B., M. D., 1160 Euclid Av.

Professor of the Diseases of Children.

Ph. B., Cornell Univ., 1883; M. D., Harvard Univ., 1888; Professor of the Diseases of Children, Western Reserve University, 1894—

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.

Professor of Therapeutics.

A. B., Williams Coll., 1858; A. M., 1861; M. D., Western Reserve Univ., 1861: Professor of Materia Medica and Therapeutics, Western Reserve University, 1867—

ROBERT WALLER DEERING, PH. D., (Absent for the year).

Professor of Germanic Languages and Literature.

Dean of the Graduate School.

Centre Coll., 1879-80; Vanderbilt Univ., 1880-85; A. B., 1884; A. M., 1885; Instructor in German, Vanderbilt Univ., 1885-86; Univ. of Leipsic, 1886-89; Ph. D., 1889; Adjunct Professor of Germanic Languages and Literature, Vanderbilt Univ., 1889-92; Professor of Germanic Languages and Literature, College for Women, 1892—

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.

Oviatt Professor of Rhetoric and English Philology.

A. B., Iowa Coll., 1882; A. M., 1885; Superintendent of Schools, Grinnell, Ia., 1882-84; Muscatine, Ia., 1884-85; Principal of the Academy of Iowa Coll., 1885-88; Goodwin Smith Fellow in English, Cornell Univ., 1888-89; Instructor in English, Cornell Univ., 1889-91; Ph. D., 1891; Assistant Professor of Rhetoric and English Philology, 1892-96; Professor of Rhetoric and English Philology, Adelbert College, 1896—

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.

Clark Professor of Greek.

A. B., Harvard Coll., 1880; Classical Master in Marston's University School, Baltimore, 1880-82; Johns Hopkins Univ., 1880-81; American School of Classical Studies in Athens, 1882-83; Univ. of Berlin, 1883-84; Univ. of Bonn., 1884-85; Ph. D., 1885; Instructor in Greek, Latin, and Archæology, Harvard Coll., 1885-88; Instructor in Latin, Phillips Exeter Acad., 1888-90; Professor of Latin, Phillips Exeter Acad., 1890-92; Professor of Greek, Univ. of Texas, 1892-93; Professor of Greek, College for Women, 1893—

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.

Professor of Greek, Dean of Adelbert College.

A. B., Dartmouth Coll., 1885; A. M., 1888; Univ. of Leipsic, 1885-87; Univ. of Erlangen, 1887-88; Ph. D., 1888; Instructor in Latin and French, Adelbert Coll., 1889-90; Professor of Greek, College for Women, 1890-93; Professor of Greek, Adelbert College, 1893—

ALEXANDER HADDEN, A. B., 1670 Lexington Av.

Professor of the Law of Crimes, Criminal Procedure, and Damages.

A. B., Oberlin Coll., 1878; Professor of the Law of Crimes and Damages, Western Reserve University, 1894—

CARL A. HAMANN, M. D., 661 Prospect St.

Professor of Anatomy.

M. D., Univ. of Pennsylvania, 1890; Demonstrator of Anatomy, Univ. of Pennsylvania, 1890-93; Professor of Anatomy, Western Reserve University, 1893—

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CHARLES HARRIS, PH. D., 15 Adelbert Hall.

Professor of German.

A. B., Indiana Univ., 1879; Ph. D., Univ. of Leipsic, 1883; Instructor in German, Academic Department of Vincennes Univ., 1883-86; Professor of French and German, Southern Illinois State Normal School, 1886-88; Professor of German, Oberlin Coll., 1888-93; Professor of German, Adelbert College, 1893—

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.

Professor of Biology and Curator of the Zoological Collection.

A. B., Dartmouth Coll., 1881; Ph. D., Johns Hopkins Univ., 1888; D. Sc., Western Univ. of Pennsylvania, 1897; Instructor in Biology, Adelbert College, 1888-91; Professor of Biology, 1891—

FRANK RUFUS HERRICK, A. B., 449 Russell Av.

Professor of the Law of Torts.

A. B., Yale Univ., 1888; Professor of Law of Torts, Western Reserve University, 1897—

PERRY L. HOBBS, PH. D. (Berlin), 1420 Euclid Av.

Professor of Chemistry.

B. S., Case School of Applied Science, 1886; Ph. D., Univ. of Berlin, 1889; Professor of Chemistry, Western Reserve University, 1894—

CHARLES F. HOOVER, A. B., M. D., 702 Rose Building.

Professor of Physical Diagnosis.

A. B., Harvard Univ., 1890; M. D., 1892; Professor of Physical Diagnosis, Western Reserve University, 1895—

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.

Professor of the Law of Contracts and Equity Jurisdiction, Dean of the Law School.

A. B., Adelbert Coll., 1889; LL. B., Harvard Univ., 1892; Professor of Law of Contracts and Equity Jurisdiction and Dean of Law School, Western Reserve University, 1892—

WILLIAM T. HOWARD, JR., M. D., 88 Dorchester Av.

Professor of Pathology, Pathological Anatomy and Bacteriology.

Univ. of Virginia, 1885-87; M. D., Univ. of Maryland, 1889; Johns Hopkins Univ., 1889-94; Professor of Pathology and Bacteriology, Western Reserve University, 1894—

PAUL HOWLAND, A. M., LL. B., 341 Huron St.

Professor of the Law of Pleading and Practice and Partnership.

A. B., Oberlin Coll., 1884; A. M., 1894; LL. B., Harvard Univ., 1890; Professor of Law of Pleading and Practice, and Partnership, Western Reserve University, 1896—

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.

Professor of English.

A. B., Vanderbilt Univ., 1890; Assistant in Greek, 1889-90; Univ. of Leipsic, 1891-92; Univ. of Jena, 1892-93; Univ. of Freiburg, 1893-94; Ph. D., 1894; Instructor in German, Adelbert College, 1894-96; Associate Professor of English, College for Women, 1896-1900; Professor of English, 1900—

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HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.

Professor of Constitutional Law.

A. B., Oberlin Coll., 1885; A. M., LL. B., Harvard Univ., 1888; Professor of the Law of Trusts and Constitutional Law, Western Reserve University, 1898—

JACOB LAISY, A. M., M. D., Syracuse, Neb.

Professor Emeritus of Anatomy.

A. B., Western Reserve Coll., 1850; A. M., 1853; M. D., Cleveland Medical Coll., 1853; Professor of Anatomy, Cleveland Medical Coll., 1863-84; Professor Emeritus of Anatomy, Western Reserve University, 1884—

JAMES LAWRENCE, A. B., 709 Genesee Av.

Professor of the Law of Public and Private Corporations.

A. B., Kenyon Coll., 1871; Professor of the Law of Public and Private Corporations, Western Reserve University, 1896—

JOHN H. LOWMAN, A M., M. D., 441 Prospect St.

Professor of Medicine and Clinical Medicine.

A. B., Connecticut Wesleyan Univ., 1871; A. M., 1874; M. D., Wooster Medical Coll., 1873; M. D., Coll. of Physicians and Surgeons, New York, 1876; Professor of Medicine, Western Reserve University, 1881—

BENJAMIN LOVE MILLIKIN, A. M., M. D., 278 Prospect St.

Professor of Ophthalmology,

Dean of the Medical College.

A. B., Allegheny Coll., 1874; A. M., 1877; M. D., Univ. of Pennsylvania, 1879; Ophthalmic Surgeon Charity Hospital, 1884; Lakeside Hospital, 1893; Professor of Ophthalmology, Western Reserve Univ., 1894; Dean of Medical College, Western Reserve University, 1900—

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.

Hurlbut Professor of Natural History and Chemistry.

A. B., Williams Coll., 1860; A. M., 1863; M. D., Cleveland Medical Coll., 1877; Ph. D., Wooster Univ., 1879; LL. D., Western Reserve Univ., 1891, Williams Coll., 1901; Professor of Chemistry, Western Reserve College and Adelbert College, 1869—

ANNA HELENE PALMIÉ, PH. B., 2733 Euclid Av.

Professor of Mathematics.

Ph. B., Cornell Univ., 1890; Fellow in Mathematics, 1890-91; Instructor in Mathematics and German, College for the Training of Teachers, New York City, 1891-92; Instructor in Mathematics, College for Women, 1892-93; Associate Professor of Mathematics, 1893-95; Professor of Mathematics, 1895—

CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.

Professor of the Law of Real Property.

Professor of the Law of Real Property, Western Reserve University, 1892—

EMMA MAUD PERKINS, A. B., 121 Adelbert St.

Professor of Latin.

A. B., Vassar Coll., 1879; Instructor in Classics, Central High School, Cleveland, 1879-92; Associate Professor of Latin, College for Women, 1892-93; Professor of Latin, 1893—

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JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.

Haydn Professor of History.

Ph. B., Illinois Wesleyan Univ., 1887; Assistant Principal of High School, Danville, Ill., 1887-88; Superintendent of Schools, Petersburg, Ill., 1888-89; A. M., Wabash Coll., 1889; Johns Hopkins Univ., 1890-92; Univ. of Chicago, 1892-93; Professor of History and Political Economy, Wisconsin State Normal School, Platteville, Wis., 1893-94; Ph. D., Univ. of Chicago, 1895; Professor of History and Politics, Allegheny Coll., 1895-98; Professor of History, Adelbert College, 1898—

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.

Professor of Latin and Instructor in Sanskrit.

Secretary of the Faculty of Adelbert College.

A. B., Yale Coll., 1883; Ph. D., 1885; Instructor in Latin and French, Adelbert Coll., 1885-90; Assistant Professor of Latin, Adelbert Coll., 1890-92; Professor of Latin, Adelbert College, 1892—

LEMUEL STOUGHTON POTWIN, A. M., D. D., 322 Rosedale Av.

Professor of the English Language and Literature.

A. B., Yale Coll., 1854; A. M., 1857; Tutor in Yale, 1858-60; D. D., 1886; Professor of Latin, Western Reserve Coll. and Adelbert College, 1871-92; Professor of the English Language and Literature, 1892—

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.

Professor of Obstetrics and Pediatrics.

M. D., Virginia Medical Coll., 1867; A. M., Western Reserve Univ., 1894; Professor of Obstetrics and Pediatrics, Western Reserve University, 1875—; Dean of Medical College, 1895-1900.

HUNTER ROBB, A. B., M. D. 702 Rose Building.

Professor of Gynecology.

A. B., Univ. of Pennsylvania, 1880; M. D., 1884; House Staff, Presbyterian Hospital, Philadelphia, 1885; Episcopal Hospital, 1886; Assistant Surgeon, Kensington Hospital, 1887; Vienna, Berlin, Prague, Leipsic, Paris, London, 1888-89; Associate Professor of Gynecology, Johns Hopkins Univ., 1889-94; Professor of Gynecology, Western Reserve University, 1894—

JOHN PASCAL SAWYER, A. M., M. D., 526 Rose Building.

Professor of Medicine and Clinical Medicine.

A. B., Adelbert Coll., 1883; A. M., M. D., Western Reserve Univ., 1886; Professor of Medicine and Clinical Medicine, Western Reserve University, 1889—

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.

Professor of Mathematics.

A. B., Western Reserve Coll., 1870; A. M., 1873; Professor of Mathematics and Perkins Professor of Natural Philosophy and Astronomy, Western Reserve Coll., 1870-82; Professor of Mathematics, Adelbert College, 1882—

ARTHUR ADELBERT STEARNS, A. M., 87 Oakdale St.

Professor of the Law of Suretyship and Mortgage.

A. B., Buchtel Coll., 1879; A. M., 1883; Professor of Law of Suretyship and Mortgage, Western Reserve University, 1894—

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GEORGE NEIL STEWART, M.A., D. Sc., M. D.,(Edin.),D. P. H.(Camb.),

Professor of Physiology and Histology. Medical College.

M. A., Univ. of Edinburgh, 1882; D. Sc., 1887; M. D., 1888: D. P. H., Cambridge, 1890; Senior Demonstrator of Physiology, Owens Coll., Victoria Univ., 1888-90; Examiner in Physiology, Univ. of Aberdeen, 1889-93; Medical Dept. Harvard Univ., 1893-94; Professor of Physiology and Histology, Western Reserve University, 1894—

HENRY SWIFT UPSON, A. B., M. D., 514 New England Building.

Professor of Neurology.

A. B., Western Reserve Coll., 1880; M. D., Coll. of Physicians and Surgeons, New York, 1884; Staff of Roosevelt Hospital, New York, 1885-86; Berlin and Heidelberg, 1886-87; Professor of Neurology, Western Reserve University, 1893—

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.

Professor of Dental Medicine.

Adelbert Coll., 1885-87; D. D. S., New York Coll. of Dentistry, 1890; Lecturer on Materia Medica and Dental Therapeutics, Western Reserve University, 1892-96; Professor of Dental Medicine, 1896—

HENRY CLAY WHITE, B. L., A. M., 344 Harkness Av.

Professor of the Law of Wills and Estates.

B. L., Univ. of Michigan, 1862; A. M., Hiram Coll., 1891; Probate Judge of Cuyahoga Co., 1888—; Professor of Medical Jurisprudence, Cleveland Homeopathic Medical Coll., 1891; Professor of Testamentary Law and Probate Procedure, Western Reserve University, 1892—

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.

Perkins Professor of Physics and Astronomy.

A. B., Brown Univ., 1874; A. M., 1877; D. Sc., 1900; Brown Univ., Massachusetts Inst. of Technology, 1879; Johns Hopkins Univ., 1879-80; Professor of Physics, Rensselaer Polytechnic Inst., 1880-85; Professor of Physics, Adelbert College, 1885—

WILL HENRY WHITSLAR, M. D., D. D. S., 700 Schofield Building.

Professor of Dental Anatomy and Pathology.

Secretary of the Dental College.

D. D. S., Univ. of Michigan, 1885; M. D., Rush Medical Coll., 1886; Professor of Dental Anatomy and Pathology and Secretary of the Dental College of Western Reserve University, 1892—

FRANK BEVERLY WILLIAMS, A. M., LL. B., 111 Crawford Road.

Professor of the Law of Evidence, Trusts, and Personal Property.

A. B., Harvard Univ., 1888; Instructor in Political Economy and Assistant in American History, 1889-90; A. M., 1890; Traveling Fellow, 1890-1892; Instructor in Roman Law, 1892-97; LL. B., 1895; Assistant Professor of Law, 1897-98; Professor of the Law of Evidence, Personal Property and Trusts in Western Reserve University, 1899—

GEORGE HENRY WILSON, D. D. S., 701 Schofield Building.

Professor of Prosthesis and Metallurgy, and

Superintendent of Laboratories and Clinics.

D. D. S., Univ. of Michigan, 1878; Professor of Prosthetics and Metallurgy, Western Reserve University, 1892—

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DANIEL HENDRIX ZIEGLER, D. D. S., 726 Rose Building.

Professor of Clinical Operative Dentistry.

D. D. S., Western Reserve Univ., 1899; Demonstrator in Operative Dentistry, Dental College of Western Reserve University, 1899-1902; Professor of Clinical Operative Dentistry, 1902—

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.

Associate Professor of Romance Languages.

A. B., Univ. of Michigan, 1889; A. M., 1890; Instructor in French, 1892-95; Student Paris and Vienna, Rome, Florence, Madrid, 1895-98; Ph. D., Univ. of Vienna, 1897; Instructor in French, Univ. of Michigan, 1898-99; Assistant Professor, 1899-1901; Associate Professor of Romance Languages, Adelbert College, 1901—

HIPPOLYTE GRUENER, PH D., 43 Knox St.

Associate Professor of Chemistry.

A. B., Yale Coll., 1891; Ph. D., 1893; Instructor in Chemistry and Physics, Hill School, Pottstown, Pa., 1893-94; Univ. of Munich, 1894-95; Instructor in Chemistry, Adelbert Coll., 1895—; Associate Professor of Chemistry, College for Women, 1898—

WILLIAM H. HUMISTON, M. D., 526 Rose Building.

Associate Professor of Gynecology.

M. D., Long Island College Hospital, 1879; Associate Professor of Gynecology, Medical Department of Western Reserve University, 1895—

EDWARD STOCKTON MEYER, PH. D., 844 Logan Av.

Assistant Professor of German.

B. L., Adelbert Coll., 1893; Univ. of Leipsic, 1893-94; Univ. of Heidelberg, 1894-96; Ph. D., 1896; Instructor in German, Western Reserve Univ., 1896-99; Instructor in German, Adelbert College, 1899-1902; Assistant Professor of German, 1902—

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.

Associate Professor of Church History.

A. B., Amherst Coll., 1889; A. M., 1896; Oberlin Theological Sem., 1890-92; B. D., Hartford Theological Sem., 1893; Universities of Halle, Berlin, and at Paris, 1893-97; B. D., Oberlin Theological Sem., 1896; Assistant in History, College for Women, 1897-1900; Instructor in Historical Bibliography, 19 -1902; Associate Professor of Church History, Adelbert College, 1902—

TORALD SOLLMANN, M. D., Erie and St. Clair Sts.

Assistant Professor of Pharmacology and Materia Medica.

M. D., Western Reserve Univ., 1896; Lecturer on Pharmacology, Western Reserve University, 1898-1901; Assistant Professor of Pharmacology and Materia Medica, 1901—

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.

Assistant Professor of Chemistry.

A. B., Wesleyan Univ., 1892; A. M., 1893; Assistant in Chemistry, Wesleyan Univ., 1893-94; Univ. of Leipsic, 1894-95; Ph. D., 1895; Assistant Chemist in Nutrition Investigations, Department of Agriculture, 1895-98; Assistant in Chemistry, Wesleyan Univ., 1896-98; Instructor in Chemistry, Adelbert College, 1898-1901; Assistant Professor, Adelbert College, 1901—

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FREDERICK CLAYTON WAITE, A.M., PH. D.(Harvard), 77 Hillburn Av.

Assistant Professor of Histology and Embryology.

B. L., Adelbert Coll., 1892; A. M., Western Reserve Univ., 1894; A. M., Harvard Univ., 1896; Ph. D., 1898; Assistant in Biology, Adelbert Coll., 1892-95; Assistant in Zoology, Harvard Univ., 1897-98; Instructor in Biology, Peter Cooper High School, New York City, 1898-1900; Instructor in Biology New York Univ., 1899-1900; Assistant in Anatomy, Rush Medical Coll., of the Univ. of Chicago, 1900-1901; Assistant Professor of Histology and Embryology, Western Reserve Univ., 1901—

THOMAS EDWARD OLIVER, PH. D., 10 Adelbert Hall.

Assistant Professor of Romance Languages.

A. B., Harvard Univ., 1893; Harvard Medical School, 1893-94; Univ. of Leipsic, 1894-95; Univ. of Heidelberg, 1895-97; The Sorbonne, Ecole des Hautes Etudes, 1897-98; Univ. of Heidelberg, 1898-99; Ph. D., 1899; Instructor in French, Univ. of Michigan, 1899-1900; Instructor in Romance Languages, College for Women, 1900-1902; Assistant Professor of Romance Languages, 1902—

HARRIET BARDWELL CHAPMAN, A. B., M. D., 810 Rose Bldg.

Lecturer on Hygiene, College for Women.

A. B., Wellesley Coll., 1893; M. D., Cleveland Medical Coll., 1896; Clinical Assistant, Eye and Ear Department, Good Samaritan Dispensary, 1897; Lecturer on Hygiene, College for Women, 1900—

CLAYTON KING FAUVER, PH. B., LL. B., 727 Case Av.

Lecturer on Torts and History of Procedure, and Instructor in charge of Review Work.

Ph. B., Oberlin Coll., 1897; Western Reserve University, 1897-1900; LL. B., 1900; Lecturer and Instructor, Western Reserve University, 1901—

FREDERICK WILLIAM GREEN, LL. B., Rice Av., Newburgh.

Lecturer on Sales.

LL. B., Western Reserve Univ., 1896; Lecturer in Western Reserve University, 1897—

FREDERICK AUGUSTUS HENRY, A. M., LL. B., Williamson Building.

Lecturer on Dental Jurisprudence.

A. B., Hiram Coll., 1888; A. M., LL. B., Univ. of Michigan, 1891; Professor of Law of Torts, Western Reserve University, 1894-1899; Professor of Dental Jurisprudence, 1899—

JOHN M. INGERSOLL, A. M., M. D., 50 Euclid Av.

Lecturer on Otology, Rhinology and Laryngology.

A. B., Adelbert Coll., 1891; A. M., 1896; M. D., Medical Coll., Western Reserve Univ., 1893; House Staff Cleveland City Hospital, 1894; Universities of Vienna, Berlin and London, 1894-96; Lecturer on Otology, Rhinology and Laryngology, Western Reserve University, 1895—

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.

Lecturer on Dental Anatomy and Instructor in Operative and Prosthetic Dental Technics.

Hiram College, 1895-96; D. D. S., Western Reserve Univ., College of Dentistry, 1898; Demonstrator of Prosthetic Technics, Western Reserve Univ., 1898—; Instructor in Operative and Prosthetic Technics, 1901—; Lecturer on Dental Anatomy, 1901—

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LOUIS WILLIAMS LADD, A.B., M.D., The Montana, Hayward & Prospect

The Leonard Hanna Lecturer on Clinical Microscopy.

A. B., Yale Univ., 1895; Johns Hopkins Univ., 1896-99; M. D., 1899; Assistant Resident Physician Johns Hopkins Univ. Hospital, 1899-1900; Resident Physician, Lakeside Hospital, 1900-01; Lecturer in Clinical Microscopy, Western Reserve University, 1901—

WILLIAM R. LINCOLN, M. D., 275 Prospect St.

Lecturer on Otology, Rhinology and Laryngology.

M. D., Univ. of Pennsylvania, 1888; Lecturer on Otology, Rhinology and Laryngology, Western Reserve University, 1896—

ROGER GRISWOLD PERKINS, A. B., M. D., 1527 Euclid Av,

Lecturer on Bacteriology and Assistant in Pathology.

A. B., Union Coll., 1893; A. B., Harvard Univ., 1894; M. D., Johns Hopkins Univ., 1898; Resident Pathologist, Lakeside Hospital, 1898-1901; Demonstrator of Pathology, Western Reserve Univ., 1899-1901; Fellow in Research of the Rockefeller Institute, 1901-2; Lecturer in Bacteriology, 1901—

WESTON A. VALLEAU PBICE, D. D. S, M. E., 2238 Euclid Av.

Lecturer on Electro-therapeutics and Electrical Appliances.

D. D. S., Univ. of Mich., 1893; Demonstrator, Electro-Therapeutics and Elect. Appliances, Western Reserve Univ., 1897; Lecturer, 1901—

ROLLIN ABBOTT WILBUR, LL. B., 820 Fairmount St.

Lecturer on Contracts and Carriers.

Student, Western Reserve Univ. Law School, 1899-1900; Harvard Univ. Law School, 1900-1902; LL. B., 1902; Lecturer on Contracts and Carriers, Western Reserve University, 1902—

CLARENCE POWERS BILL, PH. D., (Absent on leave).

Instructor in Latin and Greek.

A. B., Adelbert Coll., 1894; A. M., 1895; A. M., Harvard Univ., 1896; Ph. D., 1898; Instructor in Latin, Adelbert College, 1898—

WILLIAM DINSMORE BRIGGS, PH. D, 18 Adelbert Hall.

Instructor in English.

A. B., Stanford Univ., 1896; A. M., Harvard Univ., 1899; Ph. D., 1900; Instructor in English and German, Univ. of Vermont, 1900-01; Instructor in English, Adelbert College, 1901—

MARY GEORGE CLARK, Guilford House.

Instructor in Physical Training.

Sargent Normal School of Gymnastics, 1900; Instructor in Histology, Sargent Normal School, 1900-01; Instructor in Histology, Hemenway Gymnasium, Harvard Univ., summer 1901; Instructor of Physical Training, College for Women, 1901—

CHARLES EDWIN CLEMENS, 1093 Prospect St.

Instructor in the History and Theory of Music.

JOHN DICKERMAN, A. B., 852 Doan St.

Instructor in Mathematics.

A. B., Adelbert Coll., 1891; Instructor in Mathematics, Western Reserve Acad., 1891-94; Johns Hopkins Univ., 1894-95; Chamberlin Observatory, Denver Univ., 1895-96; Univ. of Chicago, 1896-97; Instructor in Mathematics, Adelbert College, 1897—

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ROBERT HERNDON FIFE, JR., PH. D., 91 Mayfield St.

Instructor in German.

A. B., Univ. of Virginia, 1895; A. M., 1895; Instructor in English, St. Albans School, Radford, Va., 1895-98; Univ. of Gottingen, 1898-99; Univ. of Leipsic, 1899-1901; Ph. D., 1901; Instructor in German, College for Women, 1901—

HOWELL MERRIMAN HAYDN, A. B., 252 Sibley St.

Instructor in Biblical Literature.

A. B., Adelbert Coll., 1896; Auburn Theological Sem., 1896-99; Diploma, 1899; Instructor in Biblical Literature, College for Women, 1899—

AGNES HUNT, PH. D., 46 Nantucket St.

Instructor in History.

A. B., Smith Coll., 1897; Ph. D., Yale Univ., 1900; Assistant in History, College for Women, 1900-1901; Instructor in History, College for Women, 1901—

CARL BYRON JAMES, B. S., 896 Hough Av.

Instructor in Biology.

B. S., Baldwin Univ., 1894; Johns Hopkins Univ., 1894-95; German Wallace Coll., 1895-96; Assistant in Biological Laboratory, Adelbert Coll., 1896-1902; Instructor in Biology, College for Women, 1902—

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.

Instructor in Philosophy.

A. B., Columbia, 1893; Univ. of Jena, 1893-94; General Theological Seminary, New York, 1894-95; Columbia, 1895-97; Halle and Bonn, 1897-98; Ph. D., Bonn, 1898; Assistant in Philosophy, Columbia, 1898-99; Instructor in Philosophy, Adelbert College, 1899—

FRITZ REICHMANN, PH. D., 95 Mayfield St.

Instructor in Physics.

C. E. and E. E., Univ. of Texas, 1896; M. S., 1897; Fellow in Physics, Univ. of Texas, 1895-97; Tutor and Instructor, 1897-98; Fellow in Physics, Univ. of Chicago, 1898-1901; Ph. D., 1901; Academy Instructor, Univ. of Chicago, 1900-01; Instructor in Physics, Adelbert College and the College for Women, 1901—

CLARENCE DIMICK STEVENS, A. M., 23 Adelbert Hall.

Instructor in English.

Ph. B., Wabash Coll., 1894; Fowler-Duhme Fellow in English, 1894-95; Instructor in English, 1894-95; Professor in English, Vincennes Univ., 1895-1900; A. M., Wabash Coll., 1900; University Scholar in English, Columbia Univ., 1900-1901; Instructor in English, Adelbert College, 1901-1902; Instructor in English, College for Women, 1902—

CHARLES JESSE WEHR, A. B., M. D., 5 Adelbert Hall.

Instructor in Physical Culture and Director of Gymnasium.

A. B., Adelbert Coll., 1898; M. D., Western Reserve Univ., 1901; Instructor in Physical Culture and Director of Gymnasium, Adelbert College, 1901—

ALLYN ABBOTT YOUNG, PH. D., 46 Knox St.

Instructor in Economics.

Ph. B., Hiram College, 1894; Univ. of Wisconsin, 1898-99; Statistician, U. S. Census Office, 1899-1900; Fellow in Economics, Univ. of Wisconsin, 1900-1901; Assistant in Economics, 1901-02; Ph. D., Univ. of Wisconsin, 1902; Instructor in Economics, Adelbert College and the College for Women, 1902—

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HENRY A. BECKER, A. M., M. D., Pearl St. and Clark Av.
Demonstrator of Surgery.

RUSSELL H. BIRGE, A. B., M. D., 260 Euclid Av.
Demonstrator of Surgery.

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.
Demonstrator of Surgery.

WILLIAM E. BRUNER, A. M., M. D., 514 New England Building.
Demonstrator of Ophthalmology.

JOSEPH ANSON COATES, D. D. S., 45 Hough Av.
Demonstrator in Operative Dentistry.

JOHN C. DARBY, A. B., M. D., Lakeside Hospital.
Demonstrator of Pathology.

FRED DOLLEY, A. B., M. D., Charity Hospital.
Demonstrator of Pathology.

CLAUDE C. GUTHRIE, M. D., 129 Marcy Av.
Demonstrator of Physiology.

FREDERICK C. HERRICK, A. B., M. D., 367 Erie St.
Demonstrator of Surgery.

WILLIAM E. LOWER, M. D., 275 Prospect St.
Demonstrator of Surgery.

WALTER H. MERRIAM, PH. B., M. D., 275 Prospect St.
Demonstrator of Medicine.

GEORGE WILTON MOOREHOUSE, M. L., M. D., 842 Logan Av
Demonstrator of Medicine.

WILLIAM O. OSBORN, B. L., M. D., 275 Prospect St.
Demonstrator of Medicine.

HENRY P. PARKER, A. B., M. D., Colonial Flats, Russell & Euclid.
Demonstrator of Pathology and Bacteriology.

EDWIN B. SEASON, M. D., 2238 Euclid Av.
Demonstrator of Medicine.

CARLYLE POPE, M. D., 855 Rose Building.
Demonstrator in Diseases of Children.

GILBERT POVEY, M. D., 693½ Hough Av.
Demonstrator in Gynecology.

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FRANK LESLIE SMITH, D. D. S., Denver, Colo.
Demonstrator of Orthodontia.

HUBERT L. SPENCE, M. D., 512 New England Building.
Demonstrator of Nervous Diseases.

ROBERT H. SUNKLE, A. B., M. D., Pearl St. and Clark Av.
Demonstrator of Gynecology.

OSCAR T. THOMAS, M. D., 85 Edgewood Pl.
Demonstrator of Gynecology.

JOHN SCHELL TIERNEY, M. D., 532 Rose Building.
Demonstrator of Anatomy.

HARRISON G. WAGNER, M. D., 702 Rose Building.
Demonstrator of Physical Diagnosis.

JAMES FREED WARK, D. D. S., 362 Cedar Av.
Demonstrator of Operative Dentistry.

WILLIAM H. WEIR, M. D., 260 Euclid Av.
Demonstrator of Gynecology.

DOUGLAS AUSTIN WRIGHT, D. D. S., 269 Cedar Av.
Demonstrator of Prosthetic Dentistry.

WILFRED HENRY ALBURN, A. B., Eldred Hall.
Assistant in English.

WILLIAM BRICKER CHAMBERLAIN, A. B., M. D., 725 Prospect St.
Assistant in Throat, Nose and Ear.

BESSIE MILDRED CHANDLER, PH. B., 894 Case Av.
Assistant in Biological Laboratory.

FRANK S CLARK, A. M., M. D., 493 Colonial Arcade.
Assistant in Obstetrics and Pediatrics at Lakeside Hospital Dispensary.

ALICE DOYLE DRAKE, PH. B., 792 Republic St.
Assistant in English.

JAMES A. EVANS, B. S., The Medical College.
Assistant in Chemistry.

THOMAS EDWARD GRIFFITHS, M. D., 1104 Woodland Av.
Assistant in Surgery at Charity Hospital Dispensary.

HENRY JUSTUS HERRICK, A. M., M. D., 367 Erie St.
Assistant in Ophthalmology at Lakeside Hospital Dispensary.

CHARLES M. HOLE, M. D., 300 Cedar Av.
Assistant in Dermatology and Syphilology.

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FANNY C HUTCHINS, M D., 373 Jennings Av
Assistant in Nervous Diseases.

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Assistant in Throat, Nose and Ear.

J. CHARLES MCFATE, A. B., 761 Superior St.
Assistant in Histology.

NINA MAY ROBERTS, A. M., Guilford House.
Assistant in English.

WILLIAM E. SHACKLETON, M. D., 605 The Osborn.
Assistant in Ophthalmology.

SHANDOR HARRY SOLLOMONSON, B. S., 1033 Case Av.
Assistant in Histology.

CHARLES C. STUART, M. D., 416 Rose Building.
Assistant in Ophthalmology.

JOHN J. THOMAS, A. M., M. D., 156 Crawford Rd.
Assistant in Diseases of Children.

JUSTIN MINER WAUGH, M. D , 44 Knowles St.
Assistant in Throat, Nose and Ear.

WILLIAM J. W. WOOLGAR, M. D., 1444 Cedar Av.
Assistant in Obstetrics.

LECTURERS IN YEAR 1901-1902.

W. D. FORREST, D D., Glasgow, Scotland.
Lecturer on "Christ's Teaching as to Individual and Corporate Duty."

RIGHT REVEREND HENRY C. POTTER, D. D., New York, N. Y.
Lecturer on "The Place of the Bible in Modern Life."

RICHARD G. MOULTON, M. A. PH. D , University of Chicago.
Lecturer on "The Bible."

JOHN PETER JONES, D. D., Madura, India.
Lecturer on "The Conditions, Problems and Results of Missionary Service"

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OTHER OFFICERS.

HARRY ALBERT HARING, A. B., 78 Cornell St.
Treasurer.

EDWARD CHRISTOPHER WILLIAMS, B. L.,
71 Elberon St., East Cleveland.
Librarian.

ESTHER CRAWFORD, B. L., 39 Knox St.
Assistant in Library.

ANNA LOUISE MACINTYRE, A. B., 136 Sawtell Av.
Librarian, College for Women.

FRANCES L. TROWBRIDGE, 84 Miles Av.
Librarian of Law School.

BERTHA LOUISE TORREY, A. B., 4132 Euclid Av., East Cleveland.
Registrar, College for Women.

THOMAS J. TAYLOR, 2153 Superior St.
Clerk of Medical College.

MISS K. G. FRANKLE, 520 Woodland Av.
Clerk of Operative Clinic.

MRS. D. A. WRIGHT,
Clerk of Prosthetic Clinic.

ELIZABETH CURRIER ANNIN, *Housemistress,* Guilford House.

ISADORE HEYDENBURK, *Housemistress,* Haydn Hall.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Av.
Medical Examiner, College for Women.

ANDREW FLOWER, Erie and St. Clair Sts.
Prosector and Curator Anatomical Rooms.

STANDING COMMITTEES.

I. COMMITTEE ON THE LIBRARY.

PROFESSORS BOURNE, CURTIS, EMERSON, PLATNER,* WHITMAN.

II. COMMITTEE ON ATHLETICS.

PROFESSORS BOURLAND, CUSHING,* STEWART, WILSON,
MR. FAUVER.

* Chairman.

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ADELBERT COLLEGE.

HISTORICAL STATEMENT.

IN 1801 THE GENERAL ASSEMBLY of the Territory of the United States northwest of the river Ohio was petitioned by residents of the Connecticut Western Reserve to grant a charter for a college to be situated within the limits of the Reserve. The petition was denied. In 1803, on the sixteenth of April, the first General Assembly of the State of Ohio chartered the Erie Literary Society, a corporation composed of several proprietors of land within the county of Trumbull (then comprising the entire Reserve), who desired to appropriate a part thereof to found a seminary of learning within that county. Under this charter an Academy was established at Burton in 1805, the first institution of this kind in Northern Ohio. This school, with the exception of the years 1810 to 1819, continued in operation until 1834. In 1817 the Presbytery of Grand River, which embraced nearly all the Presbyterian and Congregational ministers and churches of the Reserve, formed itself into a society "for the education of indigent, pious young men for the ministry, within the limits of the Presbytery." The students aided by this society studied privately with clergymen until the opening of the Academy at Burton, when they pursued their studies at that school. In 1818 the Presbytery of Portage formed a similar society. In 1822 the two Presbyteries appointed a committee to confer together for the purpose of devising "ways and means for establishing on the Connecticut Western Reserve a Literary

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and Theological Institution." The report of the committee, which was adopted by the Presbyteries, provided for the establishment, under certain conditions, of a Theological Institution on the foundation of the Erie Literary Society at Burton. The Trustees of the Erie Literary Society accepted the conditions. A Board of Managers of the Education Fund was then appointed by the Presbyteries.

The connection between the Board of Managers and the Trustees of the Erie Literary Society lasted until June, 1824. During the year 1823 the managers became convinced that such an institution as they desired could not be built up at Burton, and consequently they requested the Trustees of the Erie Literary Society to move their establishment to a more eligible situation. As the Trustees held property on condition that the school should be in Burton, they declined this proposition. In June, 1824, at a joint session of the Board of Managers, with special commissioners of the Presbyteries, it was decided to discontinue the connection with the Erie Literary Society and to found a separate institution. In January a special Board of Commissioners, representing the Presbyteries, to which the Presbytery of Huron was now added, selected Hudson as the site of the college. The Board of Managers, with four additional members representing the Huron Presbytery, now became the Board of Trustees, and held their first meeting at Hudson, February 15, 1825. They drafted a charter and drew up plans for the grounds. The charter was granted February 7, 1826, and on April 26 the corner stone of the first building was laid. The first students were received in December, 1826, and were instructed at Talmadge by Mr. Coe, the principal of the Academy at that place, who was appointed tutor *pro tempore*. In 1827 the new building at Hudson was occupied and the preparatory department established. A Theological department was opened in 1830 and maintained until 1852.*

*This sketch of the foundation of the College is based upon "A History of Western Reserve College, 1826-1876," by Rev. Carroll Cutler, D. D., President, Cleveland, 1876.

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In 1878 the question of removing the College from Hudson to Cleveland was raised, and a committee of the Trustees was appointed to take the matter under consideration. In March, 1880, through a member of the Board of Trust, Mr. Amasa Stone, of Cleveland, proposed to give the College five hundred thousand dollars, provided it should be removed to Cleveland, occupy some suitable site to be donated by the citizens, and change its name to "Adelbert College of Western Reserve University." The new name was to be a memorial to Mr. Stone's only son, Adelbert, who had been drowned while a student at Yale. Mr. Stone proposed further, that of the sum offered by him one hundred and fifty thousand dollars should be expended in buildings and the remainder added to the permanent funds of the College. The committee weighed the comparative advantages of city and country situation and especially the opportunities for growth and development in the new environment. Moreover an investigation showed that, in the fifty years from its foundation to 1876, the College had received in gifts some three hundred and seventy-five thousand dollars, two hundred thousand dollars of which had been given for current expenses. The remainder constituted the College endowment, and included the funds used in establishing the Handy, Hurlbut, Oviatt, and Perkins professorships. Mr. Stone's offer would exactly treble the endowment, in addition to providing a modern equipment. The committee, therefore, recommended the acceptance of the proposition, and the Trustees voted, on September 20 of the same year, to make the change whenever the conditions were fulfilled. On March 19, 1881, the Trustees voted that the conditions had been complied with and that the removal should be made.

In accordance with this decision, in September, 1882, the College opened its doors on the new campus of twenty-two acres, situated in the midst of the great park system of

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Cleveland. On this campus two buildings had been erected, one containing rooms for the work of instruction, with offices, chapel, library, and museum; the other, apartments for sixty students. The ensuing years have fully proved the wisdom of the change, as shown by the increase of students and of endowment funds. In 1883 the sum of one hundred thousand dollars was added to the funds of the College by the will of Mr. Stone. In 1888 the gymnasium was erected and equipped by the gifts of numerous friends. During the same year fifty thousand dollars was received to found the Haydn Professorship. In 1894 Mr. Samuel Mather built and furnished the Physical Laboratory. In the following year Mr. Henry R. Hatch presented the library building bearing his name, and in 1898 added the wings as provided in the original designs. In 1897 Eldred Hall, a building for the use of the Young Men's Christian Association, was erected through the gift of the late Rev. Henry B. Eldred. In 1899, the Biological Laboratory, to which many friends contributed, was completed. By the will of Daniel B. Fayerweather, of New York City, who died in 1890, the College has received an additional endowment fund of one hundred and fifty thousand dollars. In 1901 the interior of Adelbert Hall was entirely rebuilt and refitted, by a friend of the College, as a memorial to Mr. Stone.

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FACULTY AND INSTRUCTORS.

Arranged, with exception of the President, in the order of graduation from college.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

LEMUEL STOUGHTON POTWIN, A. M., D. D., 322 Rosedale Av.
Professor of the English Language and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

CHARLES HARRIS, PH. D., 15 Adelbert Hall.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology and Curator of the Zoological Collection.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.
Oviatt Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin, Secretary of the Faculty.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek, Dean of the Faculty.

JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.
Haydn Professor of History.

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Associate Professor of Romance Languages.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Associate Professor of Church History.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., 844 Logan Av.
Assistant Professor of German.

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JOHN DICKERMAN, A. B., 852 Doan St.
Instructor in Mathematics.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Instructor in Chemistry.

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.
Instructor in Philosophy.

CLARENCE POWERS BILL, PH. D., (Absent on leave).
Instructor in Latin and Greek.

ALLYN ABBOTT YOUNG, PH. D., 46 Knox St.
Instructor in Economics.

FRITZ REICHMANN, PH. D., 95 Mayfield St.
Instructor in Physics.

WILLIAM DINSMORE BRIGGS, PH. D., 18 Adelbert Hall.
Instructor in English.

CHARLES JESSE WEHR, A. B., M. D., 5 Adelbert Hall.
Instructor in Physical Culture and Director of Gymnasium.

Additional instruction in their own departments is given by the following members of the Faculty of the College for Women.

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.
Professor of Greek.

ROBERT WALLER DEERING, PH. D., (Absent on leave).
Professor of German.

CARL BYRON JAMES, B. S., 896 Hough Av.
Instructor in Biology.

HOWELL MERRIMAN HAYDN, A. B., 252 Sibley St.
Instructor in Bible.

OTHER OFFICERS.

HARRY A. HARING, A. B., 78 Cornell St.
Treasurer.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Bursar.

EDWARD CHRISTOPHER WILLIAMS, B. L., 71 Elderon St., E. Clev'd.
Librarian.

ESTHER CRAWFORD, B. L., 972 Cedar Av.
Assistant in Library.

WILFRED HENRY ALBURN, A. B., Eldred Hall.
Assistant in English.

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STANDING COMMITTEES OF THE FACULTY.

I. COMMITTEE ON ADMISSION:
PROFESSORS FULLER*, PLATNER, SMITH.

II. EXECUTIVE COMMITTEE:
(*Having oversight of the classroom work and academic status of the students*).
PROFESSORS FULLER*, PLATNER, SMITH.

III. COMMITTEE ON CURRICULUM:
PROFESSORS EMERSON, MORLEY*, PLATNER.

IV. COMMITTEE ON PROGRAM OF RECITATIONS AND LECTURES:
PROFESSORS CUSHING*, PERRIN, WHITMAN.

V. COMMITTEE ON CATALOGUE:
PROFESSORS EMERSON*, PERRIN, MEYER.

VI. COMMITTEE ON ROOMS:
PROFESSORS HERRICK, PERRIN, WHITMAN*.

VII. COMMITTEE ON GYMNASIUM:
PROFESSOR CUSHING, MR. DICKERMAN*, MR. WEHR.

*Chairman.

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STUDENTS.

SENIORS.

Edwin Allen Barnes, L. S. *	*Payne*	Φ Γ Δ House.
Edwin Childs Baxter, Cl.	*Los Angeles, Cal.*	Δ Δ Φ House.
Walter Lewis Bissell, Cl.	*New Milford*	Δ K E House.
Charles Bushnell Byal, Cl.	*Findlay*	Δ K E House.
Homer Charles Campbell, L. S.	*Akron*	68 Bell Av.
Edwin Leland Carle, Cl.	*Geneva*	805 Fairmount St.
James Williams Carpenter, M. L.	*Cleveland*	46 Knox St.
Paul Richard Chamberlain, Cl.	*Cleveland*	76 White Av.
Francis Corrigan, Cl.	*Cleveland*	66 Gorman Av.
David Love Dugan, Cl.	*Huntsburg*	Φ Γ Δ House.
Arthur Bradley Eisenbrey, L. S.	*Cleveland*	Δ Δ Φ House.
Albert Ellenberger, L. S.	*Cleveland*	Euclid Heights.
Robert Emmett Finley, L. S.	*Salem*	838 Doan St.
Robert Edward Gammel, M. L.	*Cleveland*	413 Dunham Av.
Birt Eugene Garver, M. L.	*Lorain*	B Θ Π House.
Harlan Adolphus Hepfinger, L. S.	*Willoughby*	Willoughby.
James Julius Hoffman, Cl.	*Cleveland*	1059 Central Av.
Isaac McCallum Hogg, L. S.	*Youngstown*	995 Doan St.
Bradley Hull, Jr., Cl.	*Cleveland*	340 Euclid Av.
Willis Burton Knisely, L. S.	*Canton*	173 Streator Av.
Frederick Tyler Lawton, L. S.	*Toledo*	59 Mayfield St.
Robert George Lotspietch, Cl.	*London*	Δ Y House.
Albert W. Meyer, Cl.	*Cleveland*	844 Logan Av.
John William O'Brien, L. S.	*Mt. Vernon*	16 Adelbert Hall.
Edward Maynard Otis, L. S.	*Willoughby*	13 Adelbert Hall.
Herbert Ernest Parker, L. S.	*Binghamton, N. Y.*	767 Doan St.
William Robert Polhamus,	*Cleveland*	20 Tennessee St.
Ernest James Reece, L. S.	*Cleveland*	59 Beersford Pl.
Hugh Griffith Rose, L. S.	*Wellsville*	142 Cornell St.
Warren Daniel Spengler, M. L.	*Cleveland*	63 Fourth Av.
Frank Holt Stedman, M. L.	*Belmont, Mass.*	Hiram House.
Feist M. Strauss, Cl.	*Cleveland*	1390 Superior St.
George Franklin Thomas, L. S.	*Akron*	Δ T Δ Rooms.

*Abbreviations: Cl., Classical Course; L. S., Latin-Scientific Course; M. L., Modern Language Course. A number in parenthesis after the name of a special student indicates the year to which he belongs.

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Herbert Alfred Thomas, L. S.	*Lima*	134 Murray Hill Av.
Sidney Burnett Tryon, Cl.	*Willoughby*	Δ T Δ Rooms.
Albert George Tuttle, Cl.	*Rowe, Mass.*	853 Doan St.
Isaac Roy Watts, L. S.	*Willoughby*	Δ T Δ Rooms.

SENIORS, 37.

JUNIORS.

Henry Wilmer Blackburn, Cl.	*Wellsville*	Φ Γ Δ House.
Hiram Henry Canfield, M. L.	*Euclid Heights*	Δ Y House.
Sidney Loftus Chaffee, L. S.	*Cleveland*	14 Adelbert Hall.
Ralph Ezra Chapel, Cl.	*E. Claridon*	92 Streator Av.
Clyde Lottridge Cummer, L. S.	*Cleveland*	396 Bolton Av.
William Jay Dawley, Cl.	*Cleveland*	Δ K E House.
Raymond Garfield De Fries, L. S.	*Troy*	8 Adelbert Hall.
John Adam Eisenhauer, Jr., M. L.	*Cleveland*	1433 Willson Av.
Louis Englander, Cl.	*Toledo*	A T Ω House.
George Tuttle Filius, Cl.	*Warren*	Δ K E House.
Rayman Forrest Fritz, Cl.	*Rittman*	45 Fairchild St.
Emil William Guelzow, Cl.	*Cleveland*	50 Leading St.
Frank Elmer Hale, Cl.	*E. Claridon*	92 Streator Av.
William Henry Charles Heinmiller, Cl.	*Cleveland*	39 Steinway Av.
Wade Oakly Hulbert, Cl.	*Thompson*	139 Cornell St.
Percy R. Jenks, Cl.	*Nottingham*	Nottingham.
Leonard Corwin Loomis, Cl.	*Cleveland*	1280 Willson Av.
Robert Crosby Lowe, L. S.	*Boneta*	Φ Γ Δ House.
Arthur Fraw McArthur, L. S.	*Cleveland*	203 Oakdale St.
Forest Oliver March, L. S.	*Chagrin Falls*	A Δ Φ House.
Victor Garfield Mills, L. S.	*Willoughby*	Willoughby.
Edmond De Witt Neer, L. S.	*De Graff*	B Θ Π House.
Arthur Price Nutt, L. S.	*Sidney*	B Θ Π House.
John Frederic Oberlin, L. S.	*Canton*	67 Cornell St.
Raymond Patton, L. S.	*Sidney*	24 Adelbert Hall.
Frank Herson Pelton, L. S.	*Willoughby*	Δ T Δ Rooms.
Frederick Early Pfeiffer, L. S.	*Kenton*	101 Halsey St.
Ulrich John Pfeiffer, L. S.	*Kenton*	101 Halsey St.
Noyes Billings Prentice, Jr., M. L.	*Cleveland*	12 Lakeview Av.
Ralph Roscoe Proctor, L. S.	*Fremont*	A Δ Φ House.
Olivia Burnell Sharp, L. S.	*Jonesboro, Ill.*	45 Fairchild St.
Lawrence Caleb Spieth, Cl.	*Cleveland*	1291 Willson Av.
Emery E. Stevens, Cl.	*Cleveland*	2036 Broadway.
John Hollam Stewart, Cl.	*Youngstown*	136 Murray Hill Av.

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Howard Clifford Summers,	Cl.	*Cleveland*	1528 Superior St.
Carl Peter Paul Vitz,	Cl.	*Cleveland*	45 Marvin Av.
Raymond Crandall Warner,	Cl.	*Geneva*	Δ Τ Δ Rooms.
Howard Rees Williams,	Cl.	*Huntsburg*	Δ Υ House.
Joseph Frank Williams,	L. S.	*Youngstown*	Α Τ Ω House
John Calvin Winter,	L. S.	*Terre Haute, Ind.*	1252 Scranton Av.
James Garfield Woodward,		*Painesville*	203 Adelbert St.
Robert Algar Woolfolk,	M. L.	*Danville, Va.*	Δ Υ House.

JUNIORS, 42.

SOPHOMORES.

Cary Rudolph Alburn,	Cl.	*Kyles' Corners*	Eldred Hall.
George Forrest Barnett,	L. S.	*Painesville*	Φ Γ Δ House.
Robert Swinton Campbell,	M. L.	*Cleveland*	2209 Superior St.
Walter Baldwin Carnes,	L. S.	*Lima*	Δ Κ Ε House.
Carl Judd Case,	Cl.	*Hudson*	29 Cornell St.
Harold L. Cline,	L. S,	*Lima*	Δ Κ Ε House.
Charles Manchester Coe,	M. L.	*Glenville*	Glenville.
Harvey Lee Comin,	Cl.	*Mansfield*	168 Streator Av.
John Lewis Conant,	Cl.	*Cleveland*	1701 Dennison Av.
Walter Henry Cook,	Cl.	*Cleveland*	724 Republic St.
Herbert Randolph Cox,	L. S	*Canton*	Β Θ Π House.
John Benjamin Daugherty,	L. S.	*Steubenville*	The Brooklawn.
Charles Clarence Garman,	Cl.	*Troy*	24 Streator Av.
Clark Peter Garman,	Cl.	*Troy*	23 Adelbert Hall.
Clarence Edward Gibbons,	L. S.	*Tallmadge*	Euclid Heights.
William Hamilton Gillie,	L. S.	*Twinsburg*	117 Adelbert St.
John James Gunn,	Cl.	*Cleveland*	133 Dibble Av.
Howard Waring Herrick,	Cl.	*Cleveland*	3006 Euclid Av.
Emerson Freeman Hird,	Cl.	*Baldwinville, Mass.*	44 Nantucket St.
Wallace Trevor Holliday,	Cl.	*Cleveland*	30 Miles Park St.
Avery Hopwood,	M. L.	*Cleveland*	39 Harbor St.
Frank Merrick Hubbell,	Cl.	*Cleveland*	673 Franklin Av.
Oliver Jones,	Cl.	*Cleveland*	2370 Elmwood St.
William Claude Martin,	L. S.	*Cleveland*	84 Marvin Av.
Budd Noble Merrills,	Cl.	*Wickliffe*	Δ Τ Δ Rooms.
William Theodore Miller,	M. L.	*Cleveland*	Α Δ Φ House.
Arnold Minnig,	L. S.	*New Philadelphia*	2481 Euclid Av.
Homer Lynn Nearpass,	Cl.	*Culver, Ind.*	45 Fairchild St.
William Thomson Nimmons,	L. S.	*Lincoln, Kan.*	Β Θ Π House.
Robert Henry Horace Pierce,	L. S.	*Toledo*	101 Halsey St.
Walter Lawrence Robison,	M. L.	*Cleveland*	5 Hayward St.

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John Richard Ruggles, L. S.	*Cleveland*	224 Streator Av.
Philip Wallace Seagrave, Cl.	*Cleveland*	75 Adelbert St.
William Ernest Singer, L. S.	*Weston*	Δ Υ House.
William Edward Smith, Cl.	*Cleveland*	592 Sterling Av.
Clarence Ansel Strong, Cl.	*Warren*	Δ Τ Δ Rooms.
Roy Foster Van Voorhis, Cl.	*Van Wert*	Β Θ Π House.
Saul Charles Wachner, Cl.	*Akron*	Adelbert Hall.
Chester Marvin Wallace, Cl.	*Willoughby*	Willoughby.
Andrew Bracken White, M L.	*Cleveland*	19 La Grange St.

SOPHOMORES, 40.

FRESHMEN.

David Clifford Alexander, L. S.	*Cleveland*	65 Jennings Av.
Abner Lee Roy Allison, Cl.	*Cleveland*	92 Fourth St.
Edwin Ruthven Andrews, M. L.	*Lakewood*	Δ Τ Δ House.
Gale Le Mont Bailey, L. S.	*Ridgeville, Ind.*	290 Marcy Av.
John P. Barden, Jr., Cl.	*Painesville*	6 Cornell Pl.
Alton Hay Bemis, Cl.	*Cleveland*	225 E. Prospect St.
Harvey Alfred Berkes, L. S.	*Cleveland*	52 Elberon St.
Saul Louis Berman, M L.	*Cleveland*	835 Woodland Av.
Horace Victor Bishop, Cl.	*Cleveland*	The Euclid.
Julius Bloomberg, M. L.	*Cleveland*	1582 Lorain St.
Oscar Bretz, M. L.	*Cleveland*	416 Cedar Av.
Fred Bukstein, M. L.	*Cleveland*	34 Paddock Pl.
Fred Newton Burroughs, L. S.	*Collinwood*	Collinwood.
Thomas Priday Cadle, L. S.	*West Mentor*	West Mentor.
Robert Franklin Carpenter, Cl.	*Cleveland*	125 Streator Av.
William John Cermak, M. L.	*Cleveland*	1471 Clark Av.
Ladimir Alrich Chotek, L. S.	*Cleveland*	58 Cable St.
Carroll Dana Coffield, L. S.	*Cleveland*	601 Franklin Av.
Myron T. Cohn, M. L.	*Cleveland*	330 Genesee Av.
Alvah Radcliffe Corlett, L. S.	*Warrensville*	Φ Γ Δ House.
Alfred Phelps Crum, L. S.	*Cleveland*	30 Hilburn Av.
Howard Hubbell Davis, L. S.	*Cleveland*	457 Franklin Av.
Farnham Ernest Day, Cl.	*Cleveland*	435 Dunham Av.
Gillum Hotchkiss Doolittle, L. S.	*Burton*	Glenville.
Sidney Simon Friedman, M. L.	*Cleveland*	1081 Case Av.
Charles Elmer Gehlke, M. L.	*Cleveland*	40 Abram St.
Ford Gramlich, Cl.	*Kenton*	219 Streator Ave.
Carleton Marshall Greenman, M. L.	*Cleveland*	18 Wilbur St.
Henry Lang Grund, M. L.	*Fremont*	153 Cornell St.
Frank Gruendyke Hard, L. S.	*Medina*	69 Vienna St.

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Thomas Richard Kennerdell, M. L.	*Cleveland*	88 Merchants Av.
Francis Allen Horton Lang, Cl.	*Cleveland*	1383 Cedar Av.
Gustav George Laubscher, M. L.	*Cleveland*	134 Duane St.
Harry Ralph Lloyd, L. S.	*Wickliffe*	Wickliffe.
Ernest McKelvy, L. S.	*Upper Sandusky*	14 Adelbert Hall.
James Snyder McKeon, L. S.	*Youngstown*	A T Ω House.
Benjamin Bruce McMullin, L. S.	*Sharon, Pa.*	39 Cutler St.
Howard Thomas McMyler, Cl.	*Warrensville*	Warrensville.
William Clarence Malin, M. L.	*Glenville*	Glenville.
Martin Milford Mandel, M. L.	*Cleveland*	305 Huntington St.
John Houston Marshall, Cl.	*Warren*	137 Brandon St.
William Claude Martin, L. S.	*Cleveland*	84 Marvin Av.
Henry Albright Mattill, M. L.	*Cleveland*	20 Sanford St.
William Henry Meub, Cl.	*Warren*	137 Brandon St.
John Houser Meyer, Cl.	*Cleveland*	844 Logan Av.
Frank Carleton Mock, L. S.	*Cleveland*	843 Fairmount St.
Rienze Verne Myers, L. S.	*Shelby*	874 Fairmount St.
Arthur Ernest Opperman, Cl.	*Cleveland*	127 N. Perry St.
Charles Norton Osborne, Cl.	*Cleveland*	67 Irvington St.
John Dexter Osmond M. L.	*Chardon*	187 Oakdale St.
James Allen Parker, M. L.	*Findlay*	147 Cornell St.
George Benjamin Parkin, M. L.	*Cleveland*	45 Malcolm St.
Antony Joseph Petrash, Cl.	*Cleveland*	1191 Broadway.
Paul Marvin Pope, M. L.	*West Palm Beach, Fla.*	131 Murray Hill Av.
Herbert Allen Quayle, L. S.	*Cleveland*	290 Sibley St.
George Byron Roth, M. L.	*Mt. Eaton*	Δ Y House.
Herbert Milford Senseny, Cl.	*Cleveland*	148 Lincoln Av.
Charles Gray Shreve, L. S.	*Martin's Ferry*	847 Stark St.
Thomas Hamlin Silver, Cl.	*Wellsville*	A T Ω House.
Don Rollin Sipe, L. S.	*Lisbon*	B Θ Π House.
Albert Ralph Stickle, L. S.	*Kenton*	A T Ω House.
Leonard Flemming Stowe, L. S.	*Cleveland*	3 Quito St.
William Melville Strachan, M. L.	*Cleveland*	2423 Broadway.
George Church Sutton, Cl.	*Cleveland*	491 Central Av.
William Ellsworth Talcott, Cl.	*Cleveland*	Rosedale and Crawford.
Frank Ira Truxal, M. L.	*Cleveland*	23 Kelton St.
George Winfield Truxal, M. L.	*Cleveland*	23 Kelton St.
Fred Lloyd Tuttle, Cl.	*Painesville*	Logan Av.
William Phillip Ward, M. L.	*Cleveland*	37 Kenilworth St.
Eugene Everett Wolf, M. L.	*Cleveland*	529 Scovill Av.
Raymond Lee Wolven, Cl.	*Bloomfield, N. J.*	105 Murray Hill.

FRESHMEN, 71.

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SPECIAL STUDENTS.

Harry Lester Bard, (2)	*Cleveland*	1341 Lorain St.
Thomas Allan Boyle, (2)	*Salem*	Δ K E House.
Albert Frank Counts, (3)	*Sidney*	13 Adelbert Hall.
Earl Roemer Findley, (2)	*Akron*	151 Cornell St.
George Nathaniel Forbes, (3)	*Bedford*	6 Adelbert Hall.
Paul Fox, (3)	*Oberlin*	14 Adelbert Hall.
Harry St. Clair Hathaway, (4)	*White Plains, N. Y.*	33 Cornell St.
John Michael Herter, (1)	*Naperville, Ill.*	702 Dennison Av.
William Jones, (1)	*Cleveland*	26½ Bissell St.
Andrew Kaechele, (2)	*Cleveland*	78 Aaron St.
Horace Grove Jerome, (1)	*Huntsburg*	355 Cedar Av.
William Pendleton Lanphear, (3)	*Cleveland*	782 Republic St.
Frank Wright Lea, (1)	*Danville, Va.*	12 Adelbert Hall.
James Edward Mathews, (2)	*Cleveland*	719 Garfield Bl'd'g.
John Adam Patterson, (1)	*Cleveland*	220 Dare St.
John Roy Petty, (2)	*East Cleveland*	East Cleveland.
Maurice Vinton Semple, L. S.	*Ashland*	50 Chapman Av.
Charles Clark Thwing, (2)	*Leavenworth, Kan.*	Δ Υ House.
Loren Edmunds Souers, (1)	*New Philadelphia*	155 Sawtell Av.
Roydon Edward Weaver, (4)	*Akron*	Α Δ Φ House.
Azel Howard Wetherbee, (1)	*Painesville*	1 Cornell Pl.
Charles Clarence Williamson,	*Salem*	444 Rosedale Av.

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SUMMARY.

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REQUIREMENTS FOR ADMISSION.

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION.

The regular examination for admission to the Freshman class is held at Adelbert College on the Friday and Saturday following Commencement (June 19-20, 1903). Attendance is required at the opening of the examination on Friday morning. The examinations, which are partly oral and partly written, occur as follows:

First Day—Mathematics, 9 A. M. to 12 M. (Arithmetic, 9 to 9:30; Algebra, 9:30 to 11; Geometry, 11 to 12); Greek, German and French, 2 P. M. to 5 P. M.; Chemistry, 2 P. M. to 3 P. M.; Physics, 3 P. M. to 4 P. M.; History, 4 P. M. to 5 P. M.

Second Day—Latin, 9 A. M. to 12 M.; English, 2 P. M. to 4 P. M.

A second examination, to accommodate those unable to attend the first, is held at Adelbert College on the Monday and Tuesday before the opening of the first term (September 21-22, 1902), beginning promptly at 9 A. M. The order of examinations is the same as at the regular examination. Candidates applying to be examined at other than these specified times, or late at the second examination, must obtain special permission from the Faculty. Candidates late at the regular examinations have no opportunity to make good their loss until the second examination.

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REQUIREMENTS COMMON TO ALL COURSES.

Each candidate, irrespective of the course he may choose, must be prepared in English, Latin, and Mathematics, according to the outlines of those subjects given below. Students whose examination papers show marked deficiency in spelling, punctuation, idiom, or division into paragraphs, will not be admitted to any course.

ENGLISH: The examination consists of two parts. The student is required to show a general knowledge of the books marked A in the following lists, and to write several short paragraphs on different subjects chosen from them. In preparation for this part of the requirement it is important that the candidate shall receive instruction in the fundamental principles of rhetoric. He is also required to answer questions testing a thorough acquaintance with the books marked B. These questions relate to the author and subject matter, to the essentials of English grammar, and to the leading facts in those periods of English literary history to which the prescribed books belong.

Examinations in 1902: *A.* For Reading: Shakespeare's Merchant of Venice; Pope's Iliad, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B.* For Study: Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, Il Penseroso; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

Examinations in 1903 and 1904: *A.* For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B.* For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—six orations, including De Imperio Gn. Pompeii. Virgil—the Bucolics, two books of the Georgics and five books of the Æneid, or the Bucolics and six books of the Æneid.

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Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Milne's or Taylor's Academic, or Wentworth's College), to the chapter on the Binomial Theorem. Geometry—(Beman and Smith, Milne or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

In addition to the above, students entering the several courses must be prepared in the following subjects: For the Classical Course, Greek; for the Modern Language Course, French or German; for the Latin-Scientific Course, Chemistry, Physics, and History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the Preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered as equivalent). Homer—three books of the Iliad with Prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), Jones's Exercises in Greek Prose (twenty-six exercises), or Pearson's Greek Prose Composition are recommended. History of Greece—Fyffe's Primer, Oman's, Myers's, or Smith's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: Ability to write simple sentences in French. A thorough knowledge of French Grammar, special attention being paid to the verbs. Ability to read ordinary French at sight. The following course is advised: First Year—French Grammar and exercises; irregular verbs; Kuhn's French Reader; Halévy's L'Abbé Constantin; Labiche's Voyage de M. Perrichon. Second Year—Grammar with Composition exercises from L'Abbé Constantin (Grandgent). Sandeau's Mlle de la Seiglière, Pailleron's Le Monde où l'on s'ennuie, Loti's Pêcheur d'Islande, Daudet's Contes (Cameron).

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Third Year—Review of irregular verbs, with composition exercises from La Belle Nivernaise. Molière's Bourgeois Gentilhomme, or any other comedy of Molière. Racine's Athalie, Corneille's Cid, Balzac's Eugénie Grandet.

GERMAN: Grammar, with translation at sight of easy German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when uttered. In addition, familiarity with the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Classwork through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative, such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY (through one year): Courses suggested in the order of preference. Greek and Roman (a separate course distinct from work in Latin or Greek); mediæval and modern; English; American History and Civil Government.

ADMISSION ON CERTIFICATE.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates, similar to that given below, will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Dean, Professor Fuller, during Commencement week, or as soon thereafter as practicable.

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Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated. In order to co-operate with the secondary schools in preparatory work, a report of the progress of each student admitted by certificate will be sent to the Principal of the school from which he comes. If those entering from any school during a term of years are found deficient in preparation, the privilege of entering on certificate will be withdrawn from that school.

[FORM OF CERTIFICATE].

Mr.....is a graduate of the.....School, in the.....course, Class of....., has pursued the studies marked below with the success indicated by the attached standing, and is hereby recommended for admission to the.....course, Freshman class, Adelbert College, Western Reserve University.

(*Requirements for admission common to all courses*).

ENGLISH: As prescribed on page 37 of this catalogue.

MATHEMATICS: See page 38.

LATIN: See page 37.

In addition to the above for admission to

THE CLASSICAL COURSE:

GREEK: As on page 38.

THE MODERN LANGUAGE COURSE:

GERMAN: As on page 39.

FRENCH: As on page 38.

THE LATIN-SCIENTIFIC COURSE:

CHEMISTRY, PHYSICS, ENGLISH HISTORY: See page 39.

When the above requirements have not been exactly met, the equivalents offered therefor must be specified in detail. When a certificate does not meet the above requirements *in full*, the applicant may be required to pass the usual examination in any or all the requirements.

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ADMISSION TO ADVANCED STANDING.

Candidates for admission to the Sophomore, Junior and Senior classes, whether from other colleges or not, may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from former instructors. No one is admitted to the Senior class after the beginning of the second half-year.

In connection with entrance to advanced standing, attention is called to the opportunity for combining professional training with the undergraduate work of the last year. For further particulars see the statement regarding Law and Medicine on pages 55-56.

ADMISSION TO PARTIAL COURSES.

Students may receive instruction without becoming candidates for a degree, provided they can meet the requirements for admission to the Freshman class, or have pursued other studies which may be accepted as equivalent to the entrance requirements. *Such special students are permitted to enter only those courses for which their previous training has fitted them.* In general they are subject to the same requirements as to college regulations, number of hours of work, and standing in class as regular students, but each application is considered on its merits.

Special students, on severing their connection with the College, receive certificates of all work satisfactorily completed. The requirements for admission to each course may be learned on application to the Dean.

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COURSES OF STUDY.

FRESHMAN YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

BIBLE 1	1 hour a week, First half-year.	17 hrs.
ENGLISH 1 LATIN 1 AND 2 MATHEMATICS 1, 2 AND 3	3 hours a week throughout the year.	102 hrs.

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

Classical Course.	GREEK 1 AND 2 GERMAN 1	6 hours a week throughout the year.	204 hrs.
Modern Language Course.	FRENCH 1 AND 2 GERMAN 2		
Latin Scientific Course.	CHEMISTRY 2 PHYSICS 1 A. First half-year HISTORY A. Second half-yr		

527 hrs.

In addition to the above subjects all members of the Freshman class are required to take systematic exercises in the gymnasium three times a week during six months of the year.

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SOPHOMORE YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

ENGLISH 2, 1 hour a week throughout the year, 34 hours.

ELECTIVES, 15 hours a week throughout the year, 510 hours.

JUNIOR AND SENIOR YEARS.

ELECTIVES, 15 hours a week throughout the year.

During the Sophomore, Junior and Senior years each student must complete not less than four half-year courses of three hours in each one of the following groups:

A. LANGUAGE AND LITERATURE.	B. MATHEMATICS AND NATURAL SCIENCE.	C. PHILOSOPHY, HISTORY, AND SOCIAL SCIENCE.
English,	Astronomy,	Economics and Politics,
German,	Biology,	History,
Greek,	Chemistry,	Philosophy.
Latin,	Geology and Mineralogy,	
Romance Languages,	Mathematics,	
	Physics.	

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SYNOPSIS OF COURSES

The following statements describe all courses offered both prescribed and elective. Prescribed courses are indicated on pages 42-43 of this catalogue; all others are elective. Unless otherwise stated, each course consists of three one-hour recitations each week. Numbers of courses are not necessarily consecutive. The hours at which courses are given will be found on the schedule of recitations, a copy of which may be obtained at the Dean's office.

ASTRONOMY.

PROFESSOR WHITMAN.

1. ASTRONOMY. Young's General Astronomy. The course is mainly descriptive, and is amply illustrated. Some attention is given to the history of astronomy. Second half-year.

BIBLICAL LITERATURE.

PRESIDENT THWING.

MR. HAYDN. (Courses 2, 3, 4.)

1. THE LIFE OF CHRIST. Essays and discussions upon the principal doctrines of Christianity. One hour a week, first half of Freshman year.

2. HEBREW GRAMMAR AND READING. An introductory course. Harper's "Elements of Hebrew" will be used, later the Old Testament text. Three hours a week, throughout the year.

3. NEW TESTAMENT GREEK. A critical reading of selections from the Gospels, Acts and Epistles, to bring out the special characteristics of this Greek. Either half-year.

4. SEMINARY IN NEW TESTAMENT EXEGESIS. (Open to those who have taken Course 3). Written expositions of assigned passages, with discussions. Either half-year.

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BIBLIOGRAPHY.

MR. WILLIAMS.

1. REFERENCE WORK. A study of the better known works of reference, as the general and special cyclopedias, dictionaries, annuals, indexes to periodicals, and ready reference manuals of every kind. Works of a similar nature will be compared, and the limitations of each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. One hour a week, second half-year.

BIOLOGY.

PROFESSOR HERRICK.

MR. JAMES.

1. ELEMENTARY BIOLOGY. An introduction to the study of animal and plant life. One recitation, two laboratory exercises of two hours each. Second half-year.

2. ZOOLOGY—COMPARATIVE ANATOMY OF INVERTEBRATES. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. ZOOLOGY—COMPARATIVE ANATOMY OF VERTEBRATES. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

6. PHYSIOLOGY. Elements of the physiology of man and lower animals. Three exercises, consisting of lectures, recitations, and demonstrations of one hour each. First half-year.

7. ELEMENTS OF VERTEBRATE EMBRYOLOGY. A study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. ANIMAL BEHAVIOR. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Two exercises weekly. First half-year.

10. BOTANY. An introduction to the study of plants. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

11. READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from December 1 to May 1 at a time most convenient to the members.

The Laboratory Fees for the different courses are: Course 1, 2, 3, 7, or 10, $5.00.

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CHEMISTRY.

PROFESSOR MORLEY.
ASSISTANT PROFESSOR TOWER.
DR. GRUENER.

1. *a.* CHEMISTRY OF THE NON-METALLIC ELEMENTS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. First half-year.

1. *b.* CHEMISTRY OF THE METALS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. Second half-year

2. INORGANIC CHEMISTRY. A more advanced course in general chemistry, for the Freshman year of the Latin-Scientific Course. Newth's Inorganic Chemistry. Two laboratory exercises and one recitation, throughout the year.

3. INORGANIC PREPARATIONS. This course will deal with the preparation of a number of inorganic compounds, making use of methods inapplicable to the elementary courses. Two laboratory exercises and one recitation each week. Open to those who have taken courses 1a and 1b, or course 2. First half-year.

5. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Open to those who have taken either course 2 or course 1b. Second half-year.

6. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

7. ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each, throughout the year.

8. PHYSIOLOGICAL CHEMISTRY. Simon's Physiological Chemistry. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 6. First half-year.

9. PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year. Open to those who have had three half-year courses in chemistry.

The Laboratory Fee for Course 9 is $2.00; for Course 1a, 1b, or 8 is $3.00; for Course 2, $4.00; for Course 3 or 6, $5.00; and for Course 5 or 7, $6.00. These fees are for each half-year. Breakage and other damage to apparatus are charged extra.

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CHURCH HISTORY.

ASSOCIATE PROFESSOR SEVERANCE.

1. CHURCH HISTORY OF THE FIRST SIX CENTURIES. Especial attention will be devoted to the Patristic Literature and to the Doctrinal Controversies that rent the Church. 1903-4. First half-year.

2. CHURCH HISTORY OF THE MIDDLE AGES. The external history of the Papacy will be traced, and emphasis will be laid on the organization and administration of the Church and of the Monastic Bodies and on the Scholastic Philosophy. First half-year.

3. MODERN CHURCH HISTORY. The period of Confessional Orthodoxy, Methodism, the Missionary Movement, and the Vatican Council are amongst the topics discussed.

4. LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from Mediæval Manuscripts. First half-year. 1903-1904.

5. THE BELIEFS AND SUPERSTITIONS OF THE MIDDLE AGES. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. Second half-year.

6. HISTORICAL AND GENERAL BIBLIOGRAPHY. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work.

For courses on the Reformation and the Middle Ages, see History.

ECONOMICS.

DR. YOUNG.

The first course is a prerequisite to the election of any of the others, except courses 8, 9 and 10.

1. ELEMENTS OF ECONOMICS. Lectures, recitations and required readings. The text-book is Bullock's Introduction to the Study of Economics. First half-year.

2. THE DISTRIBUTION OF WEALTH. A discussion of modern theories of value and distribution, together with an historical and crit-

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ical treatment of private property, contract, and other institutions that affect the distribution of wealth. Lectures and required readings. Second half-year.

3. MONEY AND BANKING. The theory of money, the monetary history of the United States, and the banking systems of the United States and other countries are studied in this course. Lectures and required readings. First half-year. 1902-1903.

4. PUBLIC FINANCE. This course deals with public revenues and expenditures. Lectures, assigned readings, and individual investigation of special topics. Problems of state and local taxation are given special attention. The text-book is Adams' The Science of Finance. Second half-year. 1902-1903.

5. ECONOMIC PROBLEMS. A brief treatment of socialism is followed by a discussion of labor problems. Lectures, assigned readings and class reports. The text books are Ely's Socialism and Social Reform and Levasseur's The American Workman. First half-year.

6. ECONOMIC HISTORY. This course treats of the economic history of England from the 13th to the middle of the 19th century. Lectures and required readings. The text-book is Cheyney's Industrial and Social History of England. First half-year.

7. MODERN INDUSTRY. This course deals with the social economy of the present. The growth of corporations, the functions of speculation, and the problems of railway transportation are among the topics discussed. Lectures, assigned readings, and class reports. Second half-year.

8. HISTORY OF POLITICAL THOUGHT. The development of political philosophy from the Greeks to the present, and its connection with political history. Lectures, with readings in examples of the principal schools. First half-year.

9. HISTORICAL POLITICS. The evolution of political institutions from their origins to modern times, with a particular consideration of the city state, the Roman Republic and Empire, the feudal system, the mediæval empire, parliamentary institutions, etc. The text-book is Wilson's The State. First half-year. 1902-1903.

10. COMPARATIVE POLITICS. The governments of five modern states, viz., the United States, the British Empire, the German Empire, Switzerland, and France, are examined and compared. The text-book is Wilson's The State. Second half-year.

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ENGLISH.

PROFESSOR POTWIN (COURSES 14, 15, 16, 19, 20).

PROFESSOR EMERSON (COURSES 2, 4, 5, 7, 10, 13, 17, 21-23).

DR. BRIGGS (COURSES 1, 4, 6, 11, 30).

RHETORIC AND ENGLISH COMPOSITION.

1. RHETORIC. Rhetorical theory from a text-book of rhetoric, and analysis of prose selections illustrating the principles of composition during the first half-year. During the second half-year a study of masterpieces of poetry and prose with an historical survey of English literature. A short essay or its equivalent each week, with conference for the correction of individual faults. Freshman year.

2. THEME WRITING. Short themes each week with individual conferences. Lectures on writing and the use of good English. One hour a week throughout Sophomore year.

4. DAILY THEMES. Five short themes each week on subjects chosen by the student. Weekly conferences with each student for correction and suggestion. First half-year.

5. DAILY THEMES. Similar to Course 4, but of a more advanced character. Students must have had Course 4 or its equivalent. Second half-year.

6. FORENSICS. Critical study of masterpieces in argument and oratory, with preparation of briefs, argumentative essays and orations. First half-year.

7. HISTORY OF ENGLISH PROSE. Lectures on prose writers and the development of prose style. Critical reading of specimens of English prose from Mandeville to Burke, with collateral readings and essays. Second half-year.

ENGLISH LANGUAGE AND LITERATURE.

Students are advised to take at least two of the first five courses before beginning those which follow.

10. CHAUCER AND SPENSER. A study of the minor poems and the Canterbury Tales of Chaucer, together with the most important poetry of Spenser. A survey of English poetry between Chaucer and Spenser, with lectures and collateral reading. First half-year.

11. SHAKESPEARE AND THE DRAMA. A general course on the literature during the reigns of Elizabeth and James I, with special emphasis upon the drama. Second half-year.

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12. MILTON AND THE CLASSICISTS. English poetry from Milton to Pope inclusive, with special emphasis of Milton. The classical influence on English writers. Readings in the minor writers of the period. First half-year.

13. COLLINS TO KEATS. A rapid survey of the poets from the death of Pope to Cowper, and special study of Cowper, Burns, Wordsworth, Coleridge, Scott, Southey, Byron, Shelley, Keats. First half-year.

14. TENNYSON AND THE POETS FROM 1830. The poetry of Tennyson will be the central and principal study, with readings of other poets, except Browning who is the subject of a separate course. First half-year.

15. AMERICAN LITERATURE. Its beginnings, dependence on English authors, and development under the influences of our history. First half-year.

16. HISTORY OF ENGLISH CRITICISM. The study will begin with Dryden, and include the critical works of Addison, Johnson, Hallam and others down to Matthew Arnold and the critics of today.

17. THE ENGLISH NOVEL. An historical course beginning with the storywriters of the Elizabethan period, and following the development of the novel through the eighteenth, and early nineteenth century. 1903-1904. Second half-year.

18. THE ENGLISH DRAMA before Shakespeare. Text-book, Manley's Specimens of the Pre-Shakesperean Drama. First half-year.

19. SHAKESPEARE. All the plays of Shakespeare to be read rapidly in the probable order of composition, with selection of characteristic passages. As an introduction, one of the more familiar plays will be studied for its illustration of the language of that period. Second half-year.

20. THE POETRY OF BROWNING. The study will follow the order of time of composition, typical selections being made for careful analysis and explanation. Second half-year.

21. OLD ENGLISH (ANGLO-SAXON). Lectures and recitations upon the language, with readings of selections from Old English prose and poetry. Special attention to the development of the language. First half-year.

22. MIDDLE ENGLISH. Lectures on Middle English language and literature, with readings of selections from prose and poetry. Special study of Chaucer and his contemporaries. Second half-year.

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23. ADVANCED STUDY OF OLD AND MIDDLE ENGLISH. Critical reading of texts, study of sources, and of the development of language and literature. Throughout the year.

ELOCUTION.

30. A course in vocal training and drill in public speaking. Instruction is given by lectures; by individual training in the analysis and delivery of oratorical masterpieces; and in the writing of orations. Three hours a week, second half-year.

GEOLOGY AND MINERALOGY.

PROFESSOR CUSHING.

1. MINERALOGY. Crystallography, and Descriptive Mineralogy. Two hours of recitation and lectures, and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Determinative Mineralogy and Blow-pipe Analysis. Three laboratory exercises of three hours each. Physical Crystallography may be substituted for the Blow-pipe work. Second half-year.

3. GEOLOGY. Dynamical and Structural Geology. Three hours a week. First half-year.

4. GEOLOGY. Historical Geology. Lectures and field work in vicinity of Cleveland. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. Second half-year.

A Laboratory fee of $1.00 is charged for courses 1, 2 and 4.

GERMAN.

PROFESSOR HARRIS.

ASSISTANT PROFESSOR MEYER (COURSES 1, 2, AND 3).

1. ELEMENTARY GERMAN. Grammar, reading and composition; easy texts. In this and the following courses as much of the work as possible is done in German, but conversation is used as a means, not as an end. Required of all who begin German in college. Throughout the year.

2. SELECTED MASTERPIECES of representative German authors, the latter part of the year being given to Schiller. The texts read vary from year to year. The first text in 1903-1904 will be Lessing's Emilia Galotti. Composition and advanced grammar. For Modern Language Freshmen. Throughout the year.

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3. SECOND YEAR GERMAN. Whitney's German Grammar; Harris's German Composition. Reading of representative literary works. The texts read vary from year to year. The first text in 1903-1904 will be Arnold, Fritz auf Ferien. Open to all who have had Course 1 or its equivalent. Throughout the year.

4. AUTHOR COURSE. The greater part of the year is given up to the more detailed study of some of the great writers, usually Goethe, but some other texts are also read. The work is partly in the form of class exercises and partly private reading on which the student is examined. Drill in writing German. Open to all who have had Course 2 or 3, or an equivalent. Throughout the year.

The following electives are open to all who have had Course 4 or its equivalent.

5. OUTLINE HISTORY OF GERMAN LITERATURE. Recitations from a manual, with collateral readings; lectures on German history and literature. Throughout the year.

6. MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc., 1903-1904. Throughout the year.

9. MODERN GERMAN PROSE. This course is given up to the study of a few of the modern writers in the fields of history, biography, travels, etc. Essays, lectures, and portions of larger works are read. Throughout the year.

11. GUSTAV FREYTAG. A detailed study of the life and works of Gustav Freytag and of his relations to contemporary German literature. 1903-1904. Second half-year.

12. MODERN FICTION. German Fiction since 1848 (lectures); readings from Auerbach, Scheffel, Freytag, Spielhagen, Sudermann, and others. 1903-1904. Throughout the year.

13. FRANZ GRILLPARZER. His life, works, and relations to contemporary German dramatic literature. First half-year.

14. HEINRICH HEINE. A detailed study of the life and works of Heine and his relations to contemporary German literature. Second half-year.

15. MODERN GERMAN POETRY. German poetry of the nineteenth century with particular reference to the lyrics. 1903-1904. First half-year.

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GREEK.

PROFESSOR FULLER.

PROFESSOR FOWLER.

MR. HAYDN.

1. HOMER. First half Freshman year.

2. ATTIC ORATORS. Rhetoric; Greek History. Second half Freshman year.

3. THE DRAMA. Selections, with an introduction to the study of metres and scenic antiquities. First half Sophomore year.

4. PLATO. GREEK LITERATURE, connected survey, illustrated by extracts from authors not previously studied. Second half Sophomore year.

5. TRAGEDY. Selected dramas of Euripides, Sophocles, and Æschylus. First half-year.

6. THUCYDIDES, with comparative studies of Herodotus and Xenophon. Second half-year.

7. PHILOSOPHY. First half-year.

8. ARCHAEOLOGY. Second half-year.

9. IDYLLIC POETRY. First half-year.

10. ÆSCHINES AND DEMOSTHENES ON THE CROWN. First half-year.

11. LYRIC POETRY. First half-year.

12. NEW TESTAMENT GREEK. See Bible, Course 3.

HISTORY.

PROFESSOR PERRIN.

A. Outlines of European History. Required of all Latin-Scientific Freshmen. Second half-year.

Students are advised to take courses 1 and 2 before beginning any of the others.

1. THE MIDDLE AGES. Europe from the fourth century to the fourteenth. The migration and settlement of the Teutonic peoples, the rise of the Christian church, Mohammedanism and the crusades, feudalism, the struggle of the Empire and Papacy, the growth of cities and the rise of modern kingdoms. First half-year.

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2. MODERN EUROPE. An outline of the political, religious and social history of Europe from the fourteenth century to the present. 1902-1903. Second half-year.

3 HISTORY OF FRANCE, from the fall of the Carolingians to the middle of the eighteenth century, with special reference to the growth of French institutions. Second half-year.

4. THE REFORMATION. A course based upon Fisher's History of the Reformation with collateral reading in Schaff's History of the Christian Church, Häusser's Period of the Reformation, Ranke's History of the Popes, and the writings of the reformers. Special topics are assigned for investigation. First half-year.

5. POLITICAL HISTORY OF ENGLAND, from the Tudor period to 1815. Lectures and prescribed reading. First half-year.

6. AMERICAN COLONIAL HISTORY. The constitutional and institutional development of the English colonies to 1783. Lectures with prescribed readings. First half-year.

7. POLITICAL AND CONSTITUTIONAL HISTORY of the United States, 1783-1860. Lectures with required readings. The more important documents in McDonald's Select Documents are read and discussed. 1902-1903. Second half-year.

8. THE OLD REGIME AND THE REVOLUTION. France, with comparisons drawn from other states, 1774-1789; the French Revolution, 1789-1795, its social and political struggles and its permanent results in French society. First half-year.

9. THE HISTORY OF EUROPE FROM 1815. A continuation of Course 8. Second half-year.

10. (*a*). THE UNITED STATES 1860-1885. Lectures and reports upon topics assigned for investigation. Or,

(*b*) AMERICAN POLITICS. A study of the government of the United States, both National and State. Second half-year.

11. HISTORY OF COLONIZATION SINCE 1492. The history of the English colonies in America is not included. Second half-year.

12. THE STUART REGIME, 1603-1714. Especial attention given to constitutional questions. The more important documents of Gardiner's Constitutional Documents of the Puritan Revolution are read and discussed. Second half-year.

13. ENGLAND IN THE NINETEENTH CENTURY. A continuation of Course 5. Second half-year.

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14. CONSTITUTIONAL HISTORY OF ENGLAND. Lectures and prescribed reading. The more important constitutional documents are discussed. First half-year.

15. AMERICAN DIPLOMACY, 1776-1877. Lectures and reports upon topics assigned for investigation.

17. CHURCH HISTORY. For this course, now transferred to the Department of Church History, and for other courses on the history of the Christian Church, see Church History.

LAW.

Seniors in Adelbert College may elect work in the Law School of the University, provided it does not count for more than nine of the fifteen hours each week required for graduation. By availing themselves of this opportunity and by proper choice of electives in the College, students may complete one of the three years required for the degree in law during their academic course. For details of such courses application should be made to the Dean of the Law School, Professor Hopkins.

LATIN.

PROFESSOR PLATNER.

1. LIVY. First half Freshman year.

2. PLAUTUS, two or three plays. HORACE, Satires. Second half Freshman year.

3. ODES OF HORACE. First half Sophomore year.

4. TACITUS, Germania and Agricola. JUVENAL, Satires. Second half Sophomore year.

5. CICERO'S LETTERS.

6. LUCRETIUS.

8. LATIN OF THE SILVER AGE. This course is based mainly on the letters of Pliny the Younger, Seneca, Tacitus, and Suetonius.

10. ROMAN ELEGIAC AND LYRIC POETRY.

Each of the elective courses, 5 to 10, is a half-year course, and in general they are given in a cycle, but no definite order can be stated, variations being introduced according to the number and character of the students.

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MATHEMATICS.

PROFESSOR SMITH.
MR. DICKERMAN.

1. PLANE TRIGONOMETRY. First half Freshman year.

2. PLANE ANALYTIC GEOMETRY. Second half Freshman year.

4. ALGEBRA (advanced course). First half Sophomore year.

5. PLANE AND SOLID ANALYTIC GEOMETRY (advanced course). First half-year.

6. SPHERICAL TRIGONOMETRY. SURVEYING. Second half Sophomore year.

7. ELEMENTS OF DIFFERENTIAL AND INTEGRAL CALCULUS. Second half Sophomore year.

8. DIFFERENTIAL AND INTEGRAL CALCULUS (advanced course). First half-year.

9. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. 1903-1904. Second half-year.

10. QUATERNIONS. Kelland and Tait's Introduction to Quaternions. First half-year.

11. DIFFERENTIAL EQUATIONS. Johnson's Differential Equations. 1902-1903. Second half-year.

12. MODERN ANALYTIC GEOMETRY. Second half-year.

The Laboratory fee for course 6 is $1.00.

MEDICINE.

Seniors in Adelbert College may elect work in the Medical College of the University, provided it does not count for more than nine of the fifteen hours each week required for graduation. By availing themselves of this opportunity and by proper choice of electives in the College, students may complete one of the four years required for the degree in medicine during their academic course. For details of such courses application should be made to the Dean of the Medical College, Dr. Millikin.

PHILOSOPHY.

PROFESSOR CURTIS.
DR. MARVIN.

The following chronological order will be observed. Students wishing to elect any of the more advanced courses (5-11) in the Junior or Senior year are advised to take Courses 1, 2, 3 and 4, in the Sophomore or Junior year.

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1. PSYCHOLOGY. An elementary course which presents in outline the entire subject matter, with special emphasis upon the functions of the Nervous System and the process of perception. First half-year.

2. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

3. LOGIC. This course, of which the purpose is chiefly practical, presents the elements of deductive and inductive logic, laying especial emphasis on the formal and material fallacies. Second half-year.

4. INTRODUCTION TO PHILOSOPHY. This course introduces the student to the chief problems of systematic philosophy, their history and present status. The instruction is given in the form of lectures and assigned private reading. Second half-year.

5. ETHICS. An outline of Ethics will be given by lectures. Some of the more important problems of ethics will be studied in their historical and philosophical aspects by reference to the works of Aristotle, Kant, Martineau, Sidgwick, Green, Spencer and Stephen. First half-year.

6. (*a*) GENERAL HISTORY OF PHILOSOPHY. A course for Seniors extending throughout the year. The first term reviews oriental and Greek thought with their bearings upon patristic and scholastic philosophy to the close of the sixteenth century. The second term will consider the main lines of thought from Bacon and Descartes to Wundt and Spencer, inclusive.

(*b*). BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations and private readings. The purpose is to acquaint the student with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treatise of Human Nature. The course will bring forward the main problems of Modern Philosophy. First half-year.

7. (*a*) INTRODUCTION TO THE HISTORY AND PHILOSOPHY OF RELIGION. The aim is to present Religion in its psychological, historical, critical, and constructive aspects. Second half-year.

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(*b*) PHILOSOPHY OF SOCIETY. Open only to students who have taken Courses 1, 2 and 5. Lectures will be given by the instructor throughout the term and special work will be assigned to each student for report and discussion. Second half-year. Four hours.

8. (*a*) THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Critique of Pure Reason will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysics of Morality, the Critique of Practical Reason, and the Critique of Judgment. First half-year. Or,

(*b*) THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Digests and critical essays are required for the purpose of bringing into prominence the main questions of Cosmology, and the bearing of Evolution on recent thought.

(*c*) CONTEMPORARY THOUGHT. A study of some recent work of value, such as Balfour's The Foundations of Belief, or Ward's Naturalism and Agnosticism. Second half-year.

10. ADVANCED PSYCHOLOGY. The subject of the course is the Psychology of Education. Its aim is to apply the results of psychology to the solution of some of the chief problems of education. First half-year.

11. APPLIED LOGIC, OR SCIENTIFIC METHOD. In this course the general methods of science will be analyzed in order to study their principles and nature and logical justification. The chief works consulted are those of Mill, Sigwart and Venn. Second half-year.

PHYSICAL CULTURE.

DR. WEHR.

1. GYMNASTICS AND HYGIENE. This course includes class and apparatus work in the gymnasium for three hours each week during six months of the year, and twelve lectures on hygiene. It counts as a one-hour course throughout the year. Required of Freshmen.

2. GYMNASTICS AND PHYSIOLOGY OF EXERCISE. An elective course, consisting of the same amount of work on the gymnasium floor as in Course 1, and twelve lectures on the physiology of exercise. Open to students of the three upper classes. One hour a week throughout the year.

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PHYSICS.

PROFESSOR WHITMAN.

DR. REICHMANN.

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. ELECTRICITY AND MAGNETISM, LIGHT. Continuation of Course 1. Second half-year.

1. (*A*) General contents and text book as in 1. For Freshmen entering the Latin-Scientific course. The work is arranged to utilize as fully as possible the preparatory course in physics. First half-year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics, or Preston's Theory of Light, with lectures and laboratory work. First half-year

4. THEORY OF HEAT. An introduction to thermodynamics, based mainly on Buckingham's Theory of Thermodynamics, with lectures and references. Second half-year.

Alternating with 8.

5. ELECTRICITY AND MAGNETISM. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of Course 5. Second half-year.

7. MECHANICAL DRAWING. A course involving the principles of Descriptive Geometry and their application to Mechanical Drawing, the preparation of working drawings, elementary curve-tracing, etc. Faunce's Descriptive Geometry will be used as text. Second half-year.

8. MECHANICS. A study of the principles of applied mechanics. Text-book, Wright's Elements of Mechanics. Second half-year.

Alternating with 4.

9. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to text-books, and a few exercises in the laboratory. First half-year.

10. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

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11. PHYSICAL EXPERIMENT. Special topics in physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

12. APPLIED ELECTRICITY. An elementary course of lectures on the modern application of electricity, including continuous and alternating current machinery, batteries, lighting, telegraphy, telephony, etc. Two exercises weekly. Second half-year.

13. PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and current physical literature by members of the conference. One meeting weekly.

Courses 10 and 11 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

Two weekly exercises under Course 11 may be combined with Course 10 to count for one three-hour course.

An elementary knowledge of the Differential and Integral Calculus is necessary for Courses 4, 5, 6, 8 and 11.

The Laboratory fee for Course 9 is $2.00; for each of the other laboratory courses, $4.00.

THE ROMANCE LANGUAGES.

ASSOCIATE PROFESSOR BOURLAND.

FRENCH.

1. ELEMENTARY. Grammar and easy reading. Practice in speaking and writing French. First half-year.

2. ELEMENTARY COURSE continued. Reading of modern prose and plays, with practice in speaking and writing. Second half-year.

3. RAPID READING OF NINETEENTH CENTURY TEXTS, with practice in conversation. This course may be elected twice. First half-year.

4 (*a*) LITERATURE OF THE SEVENTEENTH CENTURY. Lectures, recitations and collateral readings in the classic drama and in prose writers. 1903-1904. Second half-year.

4 (*b*) LITERATURE OF THE EIGHTEENTH CENTURY. Lectures and recitations, with special reference to Montesquieu, Voltaire, Diderot and J. J. Rousseau. Second half-year.

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The foregoing courses will be offered annually, except that 4 a or 4 b will be given in alternate years; they or their equivalent must precede all other work in French. Of the following electives, not more than one may be expected in any half-year.

5, 6. FRENCH PROSE COMPOSITION. Practice in writing French, with review of syntax. First and second half-years.

7. LITERATURE OF THE SIXTEENTH CENTURY. Montaigne, Rabelais. Lectures and recitations. First half-year.

8. OUTLINES OF THE HISTORY OF FRENCH LITERATURE TO THE END OF THE SIXTEENTH CENTURY. Lectures with illustrative readings. Second half-year.

9, 10. HISTORICAL FRENCH GRAMMAR. Lectures on the phonology and morphology, with illustrative readings in Old French texts. First and second half-years.

ITALIAN.

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. First half-year.

2. DANTE. The Inferno and the Vita Nuova. Lectures, readings, and recitations. 1902-3. Second half-year.

SPANISH.

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. 1903-4, first half year.

2. READING OF MODERN PROSE AND PLAYS, with special drill in speaking and writing Spanish. Second half-year.

3. THE CLASSIC DRAMA. Lectures on the dramatic literature of the sixteenth and seventeenth centuries, with readings from Lope de Vega, Tirso de Molina, Alarcón, Calderón. First half-year.

4. CERVANTES. Lectures, recitations and reports. Second half-year.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the day of prayer for colleges, religious exercises are held in Eldred Hall. The exercises of each half-year begin with prayers in the chapel at nine o'clock.

RELIGIOUS WORSHIP.

All students are required to attend daily prayers in the chapel. At this service addresses are frequently made by the clergymen of Cleveland and other cities. Students are also expected to attend morning service on Sunday in the churches of the city. It is desired that students should connect themselves with the churches of their choice, and enter as far as possible into their religious activities.

The Young Men's Christian Association of the college holds its meetings in Eldred Hall. This building is devoted entirely to the religious and social work of the Association.

LIBRARIES.

The College Library, including the collections of former literary societies, contains about forty-five thousand bound volumes and ten thousand unbound books and pamphlets. It is commodiously housed in the Hatch Library building,

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the gift of Mr. Henry R. Hatch, of Cleveland. The collections relating to the study of the German language and literature, French literature, United States history, and the history of the French Revolution are particularly full. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology, and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. The whole collection is classified according to the Dewey system somewhat modified. Students have access to all the books on the shelves, and the library is open from eight in the morning to half-past five in the afternoon.

In addition to the College Library, students may freely use the Public Library of Cleveland. It contains 150,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collection readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

Students thus have access to collections aggregating about 250,000 volumes, and constantly increasing in number.

LABORATORIES AND MUSEUMS.

Biology. The biology laboratory is designed for the study of the biological sciences, especially zoology and botany; for a biological museum, in the sense of a reference or teaching collection of objects drawn from the living

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world to illustrate types of structure, variations, life histories and kindred subjects; and for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestrial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by himself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The laboratory of this department is, at the present time, on the third floor of the main building. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for the special investigator.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

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Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This valuable addition to the scientific apparatus of the University is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

GYMNASIUM AND ATHLETIC FIELD.

At the southern end of the campus is the gymnasium, and beside it the athletic field. The former is sufficiently well equipped with apparatus for ordinary use. All members of the Freshman class are required to take systematic exercise in the gymnasium three times a week during six months of the year. During the same period a similar opportunity is afforded members of the other classes. All work is under the supervision of the instructor in physical culture.

The athletic field is graded, fenced, and provided with seats for viewing athletic contests. All college games can thus be played on the campus itself, and most of the evils attendant upon inter-collegiate contests avoided.

RULES GOVERNING ATTENDANCE.

Each student is allowed, during each half year, absences to the amount of one in twelve, from recitations in each study, provided that such absences do not immediately precede or follow a vacation or recess. Lack of preparation, when reported to the instructor beforehand, will be counted as an absence. Absences from chapel, or from work in the gymnasium, are treated in the same way as absences from recitation. The absence of any considerable number of a class, by agreement, is not included in allowed absences, and will lessen the number of allowed absences, as may be determined by the Faculty.

Absences beyond the number allowed will be excused only by vote of the Faculty, and excuses will be confined

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chiefly to cases of protracted illness. Applications for such excuses must be made through the Dean, in writing, within one week after the resumption of college duties, or they will not be considered.

Absences of athletic teams, glee clubs, delegates to fraternity conventions, etc., must be made the subject of special permission, for which application must be made, in every case before the absence, to the Executive Committee.

All omitted exercises, allowed or excused, must be made up within one week after the resumption of college duties, at a time and place appointed by the instructor whose exercises were omitted. The responsibility in this matter *rests with the student.* For special reasons the instructor may grant an extension of the time beyond one week, or the Faculty may excuse the student altogether, on application in writing, through the Dean. A single omitted exercise is considered as made up if at the next exercise in that study there is a review, and the student reports that he is prepared upon the review as well as the advance lesson. In all cases a student will be held responsible for preparation on omitted work whenever involved in review or examination.

Omitted exercises, not allowed or excused (or in any case, if not made up), will be counted as failures in reckoning a student's standing. Irregularities in attendance, not allowed or excused, will be marked as follows: Absence from examination, public or private, five marks. Absence from lectures, two marks. Absence from any other exercise, one mark. Tardiness at, or egress from any of the above, one mark.

When the marks of a student amount to five, he will be informed of the fact, and a written notice will be sent to his father or guardian, together with a statement of all his absences, allowed and excused, and a copy of the printed rules. When the marks amount to ten, a second notice will be sent; when they amount to fifteen a third will be sent, and the

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student will be suspended from the privileges of the college for a period determined by the Faculty.

GRADES OF SCHOLARSHIP.

Students are graded in their studies by letters which have value on a scale of eight, as follows:

E (excellent)	7-8
G (good)	6-7
F (fair)	5-6
P (pass)	4-5
D (deficient)	-4

At the close of each half-year, instructors combine the grades of the term's work and of examinations in any ratio they see fit, and report to the Dean the resultant grades expressed in letters. The Dean then reports the grades of each student to his parent or guardian.

Care over the work of students is exercised by the executive committee after the following method. When the grade of a student becomes D in any study, the instructor reports the fact at once to the Dean, who sends an official notification of the deficiency to the student and to his parent or guardian. The instructor keeps the Dean informed as to whether the student's grade continues D. Once a month the Dean reports to the faculty all information which he has received from instructors in regard to the grades of students.

Any student whose grade is D in the class-work of any study may be dropped from that study at any time by a majority vote of the executive committee and the instructor whose course is involved. He shall be so dropped when he has had grade D for six consecutive weeks, unless by a majority vote of the same persons he is allowed to remain in the study under special probation for a short time. In all cases the student's grade is determined by all his previous work in a study from the beginning of the half-year.

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If a student has grade D in the class-work of any study, he is not allowed to enter the examination, and cannot graduate until the head of the department reports to the Dean that the deficiency has been removed. In case the student is deficient in an elective study, he may take in class some other elective of the same number of hours a week, and the satisfactory completion of such elective will be regarded as removing his deficiency.

If a student's term standing in any study is not below grade P, but he fails in his examination, the instructor hands in his grade as D and also a notice that he is to be re-examined in that study. When he has passed this re-examination the instructor notifies the Dean at once, and the deficiency is cancelled.

When a student so fails in his work that, in the judgment of the executive committee, he cannot successfully continue it, a condition is placed upon him. He cannot then go on with any study unless he makes up the deficiency before a specified time.

No student who has entrance conditions will be advanced to the rank of Junior. No student is allowed to enter the second half of his Senior year who has not made up all his deficiencies.

In general, regular students are not allowed to become special students on account of failure to maintain themselves in their regular work, but individual cases may be considered on their merits by the executive committee.

DEGREES.

In order to be recommended for a degree a student must have passed in all the studies of his course and have attained a grade of "Fair" or a higher grade in at least one-third of them. The degree of BACHELOR OF ARTS is conferred upon those who have completed that regular course which

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includes the study of Greek language and literature; the degree of BACHELOR OF LETTERS on those who have completed the course in which modern languages are substituted for Greek; and the degree of BACHELOR OF PHILOSOPHY on those who have completed the course in which more advanced science is substituted for languages.

Members of classes earlier than that of 1893 may receive the degree of MASTER OF ARTS as heretofore, or, if they prefer, after a special course of study. The fee for the Master's degree is ten dollars. For further information candidates should address the Secretary of the Faculty, PROFESSOR PLATNER.

HONORS.

In Chemistry, French, German, Greek, Latin and Mathematics, two-year honors are given to those students who, at the completion of the Sophomore year, have attained grade "Excellent" in each course of these departments during two years, and grade "Fair" or a higher grade in all of their other studies.

Honors are awarded to the graduating class at each Commencement, and to the Junior class at the end of the Junior year. These honors are determined by the standing of the students in all their previous college work. To be recommended for a degree with honors, a student must have attained grade "Fair" or a higher grade in all his college work; for degree *summa cum laude,* grade "Excellent" in five-sixths of all his work; for degree *magna cum laude,* grade "Excellent" in one-half of all his work, or "Excellent" or "Good" in five-sixths of it; for degree *cum laude,* "Excellent" or "Good" in one-half of all his work.

Opportunity is given to students with advanced preparation to pursue studies and investigations outside the prescribed course under the direction and assistance of the Faculty, provided they maintain a standing of at least G in

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each of their regular studies. Students who pass successful examinations in these additional studies may be exempted from a portion of the regular examinations, and receive honorable mention in the catalogue.

PRIZES.

PRESIDENT'S PRIZES are offered as follows:

Three prizes for excellence in producing and speaking orations are awarded to members of the Junior and Sophomore Classes who engage in a Junior-Sophomore oratorical contest at Commencement. Of these, two first prizes of thirty-five dollars each are given to the contestants who rank first in each class. A second prize of twenty dollars is awarded irrespective of class. The following rule respecting the competition has been adopted by the faculty. A Sophomore who gains the first prize in any contest shall not compete again, and one who gains the second prize may compete, in his Junior year, for the first prize only.

Six prizes for the highest records in scholarship are awarded at the end of the Freshman year as follows: In French and German (Modern Language Freshmen) twenty-five dollars; in German (all except Modern Language Freshmen) twenty-five dollars; in English, forty dollars; in Greek, twenty-five dollars; in Latin, forty dollars; in Mathematics, forty dollars. A prize of twenty-five dollars is also awarded for the best results in the work of the gymnasium during the Freshman year. These prizes are awarded only to those pursuing their Sophomore year in Adelbert College, and no prize will be given if it seems to the department or departments concerned, that it is not clearly merited.

PHILOSOPHICAL PRIZES, founded by Mr. Truman P. Handy, and continued in his memory by his daughter, Mrs. John S. Newberry, are offered as follows: Two prizes, one of sixty and one of thirty dollars, are awarded by a com-

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mittee at the close of the college year, to the two members of the philosophical group who shall excel in an original essay and a special examination. The subject assigned for 1902-1903 is, "On Kant's Distinctions between the Pure and the Practical Reason."

ENGLISH PRIZES are offered as follows: The early English Text Society offers a prize, consisting of publications of the Society, for the best examination in old and Middle English. The New Shakespeare Society offers a similar prize for the best examination in Shakespeare. Each prize consists of publications of the Society offering it.

THE HUGHES PRIZE. By the kindness of Mr. Rupert Hughes, of the Class of 1892, two prizes, one of fifteen and one of ten dollars, are offered for the best poems written by undergraduates. These sums may be combined into a single prize in any year if any one poem is of exceptional merit. Competitors must submit their productions, in type-written form and under an assumed name, not later than May fifteenth of each year.

THE HOLDEN PRIZE. Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior on some subject selected by the department of Rhetoric. Essays in competition for this prize must be type-written and submitted under an assumed name not later than May fifteenth, 1903. The subject for this academic year is "The Influence of the Classics on the Poetry of Wordsworth, Shelley and Keats."

THE DEBATE PRIZE. In order to encourage and strengthen the debating interests of the College, an alumnus offers a prize of thirty dollars to be divided equally among the three students who win places on the debating team in the preliminary contests, and represent the institution in the annual contest of the Ohio Debating League.

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THE HARRIET PELTON PERKINS SCHOLARSHIP, the income of a fund of two thousand dollars, given for that purpose by Mr. Edwin R. Perkins, is awarded annually to that member of the Junior class who fills the following conditions: He must rank in the first third of his class in the study of the classics, having pursued Latin and Greek through the Sophomore year. He must also attain, among those fulfilling the first condition, the highest rank for excellence in the English Language and Literature, having taken, besides all required courses, at least three hours a week during both terms of the Junior year.

Except to Seniors, prizes awarded at commencement are paid at the beginning of the ensuing term, and no prize will be so paid unless the student continues his connection with the College.

THE FRANCIS G. BUTLER PUBLICATION FUND.

In March, 1893, Mrs. Julia W. Butler gave one thousand dollars to found the Francis G. Butler Publication Fund, "the income from the fund to be devoted to the publication of the results of original research in the field of American history, made by the professors or students of Adelbert College, the College for Women, or the Graduate School of Western Reserve University."

EXPENSES.

The College charges are as follows:

MATRICULATION	$ 5.00
TUITION, INCIDENTALS, LIBRARY, and GYMNASIUM	85.00

Students taking work in the biological, chemical, geological and physical departments pay for the cost of perishable material and the loss incident to the use of the instruments. Laboratory fees vary for different courses, and the amount for each is specified in the statement of courses. All College charges for the half-year are paid to the Bursar at the time of registration.

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Board and rooms in private families in the vicinity of the College may be obtained at a cost of from three to five dollars a week; board in clubs for from two and a half to three dollars a week.

BENEFICIARY AND OTHER AID.

Certain scholarships are awarded to meritorious students who need pecuniary aid. By these they are relieved of a portion of the fixed charges of the College. The scholarships are founded by gifts of $500 each, and are worth the interest of that sum at six per cent., or $30 a year. All scholarships are granted upon the following conditions:

1. All applicants for scholarships shall file written statements of resources, expenses, and needs, accompanied in the case of those just entering college, whether as Freshmen or in the higher classes, by testimonials as to character and attainments.

2. Scholarships shall be granted annually upon each application, but may be withdrawn for cause at the end of one half-year.

3. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, shall be in the hands of the executive committee, who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

4. In general only candidates for a degree in full standing are eligible to a scholarship. But one may be granted to any student who, by reason of incomplete preparation, is obliged to enter college as a special student, but with the intention of making up his deficiencies and taking a degree, and it may be continued to him in successive years if his progress warrants the belief that he will carry out his intention. But a student in full standing who becomes a special

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student, shall not in general be eligible to a scholarship. A student, to be eligible to a scholarship, or to retain one, must in general maintain an average of "Fair" in all his studies and must not fall below the passing grade in any subject.

5. A scholarship may be withdrawn from a student whose work or conduct ceases to be satisfactory.

In addition to the scholarships, there are also certain funds which are loaned to students recommended by the Faculty. When repaid they will be used in aiding other students. A few of those students who have a thorough preparation for college are enabled to earn more or less money by teaching or other labor.

Students placed upon the list of beneficiaries are expected to maintain their standing in scholarship, and also to finish their course here. Before dismissal to another institution can be granted, the college dues, including the amounts given or loaned, must first be paid.

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THE COLLEGE FOR WOMEN.

GENERAL STATEMENT.

IN ORDER to provide more adequate means for the separate higher education of young women, the Trustees of Western Reserve University established the College for Women in 1888. The first session began in September of the same year. For the first three years of its existence the college depended largely for its courses of instruction upon members of the faculty of Adelbert College. At the end of that period it acquired a separate corps of instructors, so that since that time each of the two colleges, the one for women and the other for men, has had a faculty of its own. In this relation special mention should be made of the generous gifts and bequests through which have been established the Eliza Clark Professorship of Greek, the Emily A. Woods Professorship of Latin, the Florence Harkness Professorship of Biblical Literature, and the Lucy A. Leffingwell Professorship of Philosophy. The two colleges have a common standard of work, and the relations of each to the other and to the rest of the University tend to develop a common breadth of outlook. Moreover, in a number of the departments, by exchange of work and other arrangements, instruction is given in each college by members of the faculty of the other. Graduates of the College for Women receive their degrees from the University, of which it is an integral part. The system is thus not one of co-education, nor of complete separation in education, but of co-ordination.

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In 1892 the College occupied its present site on Bellflower Avenue, in the most attractive and healthful part of the city, a few steps from Euclid Avenue on one side and from Wade Park and the great system of parks and boulevards on the other. In 1898 the college grounds were enlarged, so that they now contain about four acres. Clark Hall, named from its donor, Eliza Clark, was erected in 1892 from designs by Richard M. Hunt. It contains the library, gymnasium, and offices, in addition to recitation and study rooms. A home for students, called Guilford House, the gift of Mrs. Samuel Mather, was built in 1892 and greatly enlarged in 1894. The Florence Harkness Memorial contains, in addition to the main assembly room, the recitation room and library for the Bible classes. Haydn Hall is designed to provide rooms for study and social purposes, and also to serve as a dormitory. The laboratories in Biology, Chemistry, Geology and Physics are situated on the campus of Adelbert College and are used in common with the members of that college. The Hatch Library and Astronomical Observatory are also used in common.

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ADVISORY COUNCIL.

Honorary President,	MISS L. T. GUILFORD.
President,	MRS. W. R. WARNER.
Vice President,	MRS. D. Z. NORTON.
Recording Secretary,	MRS. J. J. TRACY.
Corresponding Secretary,	MRS PASCAL H. SAWYER.
Treasurer,	MRS. HENRY S SHERMAN.

MRS. SAMUEL MATHER,
MRS. EDWARD W. MORLEY,
MISS HARRIET SHELDON HURLBUT,
MISS HARRIET L. KEELER,
MISS ELLEN G. REVELEY,
MRS. J. H. WADE,
MRS. CHARLES J. SHEFFIELD,
MRS. LUKE LASCELLES,
MISS HELEN L. STORKE,
MISS AUGUSTA MITTLEBERGER,
MRS. C. F. OLNEY,
MRS. W. S. TYLER,
MRS. GEORGE A. GARRETSON,
MISS MARY L. SOUTHWORTH,
MRS. WILLIAM A. LEONARD,
MRS. JAY C. MORSE,
MRS. H. E. MYERS,
MISS ANNA BURGESS,
MRS. DUDLEY P. ALLEN,
MRS. EDWARD W. HAINES,
MRS. ARTHUR E. LYMAN,
MRS. SAMUEL A. RAYMOND,
MRS. WILLIAM E. CUSHING,
MRS. HARRY R. COLLACOTT, President of the Alumnae Association.

Corresponding Members.

Mrs. Wm. H. Upson, Akron, O.
Mrs. C. W. Jacques, Ashtabula, O.
Mrs. J. Osborne Moss, New York.
Mrs. James A. Garfield, Mentor, O.
Mrs. H. S. Lane, Crawfordsville, Ind.
Mrs. C. O. Gridley, Erie, Pa.
Mrs. Thos. Kilpatrick, Omaha, Neb.
Mrs. G. H. McElevy, Youngstown, O.
Mrs. Henry B. Perkins, Warren, O.
Mrs. Frank Swayne, Toledo, O.
Mrs. J. S. Newberry, Detroit, Mich.
Mrs. Frank G. Sigler, Montclair, N.J.
Mrs. Joseph Howells, Jefferson, O.
Mrs. George H. Ely, Elyria, O.

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FACULTY AND INSTRUCTORS.

Arranged, with exception of the President, in the order of graduation from college.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HIRAM COLLINS HAYDN, D. D., LL. D., 15 La Grange St.
Harkness Professor of Biblical Literature.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Woods Professor of Latin.

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.
Clark Professor of Greek.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

ROBERT WALLER DEERING, PH. D., (Absent for the year).
Professor of Germanic Languages and Literature.

HERBERT AUSTIN AIKINS, PH. D., 40 Cornell St.
Leffingwell Professor of Philosophy.

ANNA HELENE PALMIÉ, PH. B., 2733 Euclid Av.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

THOMAS EDWARD OLIVER, PH. D., 10 Adelbert Hall.
Assistant Professor of Romance Languages.

CHARLES EDWIN CLEMENS, 1093 Prospect St.
Instructor in the History and Theory of Music.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in Historical Bibliography.

ALLYN ABBOTT YOUNG, PH. D., 46 Knox St.
Instructor in Economics.

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CLARENCE DIMICK STEVENS, A. M., 22 Cornell St.
Instructor in English.

CARL BYRON JAMES, B. S., 896 Hough Av.
Instructor in Biology.

ROBERT HERNDON FIFE, JR., PH. D., 91 Mayfield St.
Instructor in German.

FRITZ REICHMANN, PH. D., 95 Mayfield St.
Instructor in Physics.

HOWELL MERRIMAN HAYDN, A. B., 252 Sibley St.
Instructor in Biblical Literature.

AGNES HUNT, PH. D., 46 Nantucket St.
Instructor in History.

MARY GEORGE CLARK, Guilford House.
Instructor in Physical Training.

NINA MAY ROBERTS, A. M., Guilford House.
Assistant in English.

ALICE DOYLE DRAKE, PH. B., 792 Republic St.
Assistant in English.

BESSIE MILDRED CHANDLER, PH. B., 894 Case Av.
Assistant in Biological Laboratory.

HARRIET BARDWELL CHAPMAN, A. B., M. D., 810 Rose Bldg.
Lecturer on Hygiene.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Av.
Medical Examiner.

OTHER OFFICERS.

BERTHA LOUISE TORREY, A. B., 4132 Euclid Av., East Cleveland.
Registrar.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Bursar.

HARRY ALBERT HARING, A. B., 78 Cornell St.
Treasurer.

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EDWARD CHRISTOPHER WILLIAMS, B. L.,
71 Elberon St., East Cleveland.
Librarian, Hatch Library.

ESTHER CRAWFORD, B. L., 39 Knox St.
Assistant in Library.

ANNA LOUISE MACINTYRE, A. B., 136 Sawtell Av.
Librarian, College for Women.

ELIZABETH CURRIER ANNIN, *Housemistress*, Guilford House.

ISADORE HEYDENBURK, *Housemistress*, Haydn Hall.

Additional instruction in their own departments is given by the following members of the Adelbert College Faculty.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St
Perkins Professor of Physics and Astronomy.

CHARLES HARRIS, PH. D , 15 Adelbert Hall.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., 844 Logan Av.
Assistant Professor of German.

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.
Instructor in Philosophy.

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STUDENTS.

SENIORS.

Anna Leah Bailey, L. E.*	*Detroit, Mich.*[36]	93 East Lake St.
Mary Lawson Ballantyne, Cl.	*Elizabeth, N. J.*[37]	Guilford House.
Emma Laverne Bishop, M. L.	*Medina*[33·8]	Haydn Hall.
Caroline Arrowsmith Bruce, Cl.	*Cleveland*[1]	Haydn Hall.
Marcia Gertrude Bruckshaw, L. E.	*Cleveland*[1]	36 Beechwood St.
Maud Isabel Bruckshaw, M. L.	*Cleveland*[1]	36 Beechwood St
Matilda Clara Buschman, M. L.	*Cleveland*[1]	Guilford House.
Luella Lenore Chaffee, L. E.	*Cleveland*[1]	Guilford House.
Blanche Genevieve Cole, L. E.	*Cleveland*[1]	215 Commonwealth Av.
Elizabeth Bertha Cristy, L. E.	*Providence, R. I.*[1]	Haydn Hall.
Susie Adah De Witt, M. L.	*Cleveland*[1]	679 East Prospect St
Alice Dunham, M. L.	*Cleveland*[1]	Guilford House.
Matilda Fish, L. E.	*Cleveland*[38]	224 Streator Av
Ethel Eudora May Gifford, L. E.	*Cleveland*[2]	107 Gaylord St.
Juliette Alice Handerson, M. L.	*Cleveland*[1]	444 Dunham Av.
Ruth Evelyn Haydn, M. L.	*Cleveland*[6]	Guilford House.
Mary Adeline Hird, Cl.	*Baldwinville, Mass.*[38]	Guilford House.
Elizabeth Hubbell, L. E.	*Cleveland*[3]	65 Arlington St.
Florence Edith Jones, L. E.	*Cleveland*[2]	1635 Harvard St.
Maria Margaret Kelly, L. E.	*Cleveland*[3]	165 University St.
Sophia Clarke Kenyon, M. L.	*Rochester, N. Y.*[48]	Guilford House.
Maud Harriet King, M. L.	*Chardon*[41]	Haydn Hall.
Laura Helen Krejci, Cl.	*Cleveland*[1]	290 Forest St.
Emilie Louise Krug, M. L.	*Cleveland*[1]	51 Fourth Av.
Bertha May Lee, L. E.	*St. Johnsbury, Vt.*[61]	71 Tilden Av.
Lillie Margaret Sharlow Lothrop, L. E.	*Cleveland*[2]	1745 Harvard St.
Ethel MacDonald, Cl.	*Cleveland*[1]	Haydn Hall.
Beatrice Moss, M. L.	*Cleveland*[1]	1256 East Madison Av.
Charlotte May Parker, L. E.	*Solon*[1]	Guilford House.
Edith Harris Parmenter, Cl.	*Cleveland*[1]	717 Republic St.
Ethel Marian Peck, L. E.	*Cleveland*[2]	Haydn Hall.
Bessie May Post, Cl.	*Cleveland*[1]	2211 Euclid Av.
May Cameron Quinby, Cl.	*East Cleveland*[13]	Guilford House.
Clara Risdon, L. E.	*Ravenna*[64]	Guilford House.
Bertha May Rosenfeld, M. L.	*Cleveland*[1·6]	1329 Willson Av.

*Abbreviations: Cl. for Classical Course; M. L. for Modern Language Course; L. E. for Latin-English Course. The numerals after the home address indicate the institution from which the student came to College (see page 87); those after special students, the year of their course.

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Lydia Margaret Schwegler, Cl.	*Cleveland*[1]	58 Euclid Place.
Olive Louise Spengler, M. L.	*Cleveland*[1]	63 Fourth Av.
Florence Jeannette Taylor, Cl.	*Cleveland*[1]	78 Oakdale St.
Frances Lucille Thomas, M. L.	*Cleveland*[1]	33 Idlewood Av.
Grace Ethel Tompkins, M. L.	*Cleveland*[3]	Haydn Hall.
Gertrude Elizabeth Vilas, M. L.	*Cleveland*[1]	220 Kennard St.
Alice May Wallace, L. E.	*Cleveland*[1]	28 Marion St.

SENIORS, 42.

JUNIORS.

Florence Ellinwood Allen, Cl.	*Salt Lake City*[58,63]	Guilford House.
Carlyne Margaret Buschman, M. L.	*Cleveland*[1]	Guilford House.
Katherine Evelyn Collord, L. E.	*Cleveland*[3]	189 Taylor St.
Jessie Edna Daniels, L. E.	*Canton*[50]	Haydn Hall.
Agnes Mary Doster, M. L.	*Cleveland*[3]	72 Merchants Av.
Fanny Alice Dunsford, M. L.	*Rochester, N. Y.*[22]	Guilford House.
Lois Violet Ellett, L. E.	*Cuyahoga Falls*[52]	Guilford House.
Madge Ina Ferry, L. E.	*South Kirtland*[8]	Haydn Hall.
Bessie Gillmer, L. E.	*Warren*[53]	Guilford House.
Alma Gertrude Gleason, Cl.	*Cleveland*[1]	168 Cedar Av.
Jennie Adele Gleeson, L. E.	*Cleveland*[1]	54 Kenwood Av.
Susan Elizabeth Gray, L. E.	*Cleveland*[1]	199 Quincy St.
Alice Constance Hagan, Cl.	*Cleveland*[1]	386 Willson Av.
Frances Antoinette Hinde, L. E.	*Cuyahoga Falls*[52]	75 Adelbert St.
Mary Estelle Hopkinson, L. E.	*Cleveland*[3]	288 Gordon Av.
Clara Ethelinde Jacobi, M. L.	*East Cleveland*[1]	63 Beersford Pl.
Ethel Irene Jones, Cl.	*Cleveland*[2]	1635 Harvard St.
Ella Koningslow, M. L.	*Cleveland*[1]	882 Scovill Av.
Rhoda Landsberg, M. L.	*Cleveland*[1]	The Euclid.
Louise Reber Layman, Cl.	*Youngstown*[20]	Guilford House.
Florence Agnes Lessick, Cl.	*Cleveland*[1]	486 Giddings Av.
Sarah Emily McMurray, M. L.	*Hubbard*[20]	Guilford House.
Mabelle Amele Monson, L. E.	*Cleveland*[1]	Guilford House.
Florence Elizabeth Myers, M. L.	*Cleveland*[1]	1 Glen Park Place.
Addie Ellen Oakley, L. E.	*Cleveland*[1]	800 Hough Av.
Lillian Elizabeth Oakley, L. E.	*Cleveland*[1]	800 Hough Av.
Frances Isabel Odlin, L. E.	*Dayton*[39]	Guilford House.
Phoebe Katharine Parks, L. E.	*Collinwood*[18,9]	Collinwood.
Mary Jeannette Proudfoot, Cl.	*Cleveland*[2]	2320 Spafford St.
Florence Alice Reeve, Cl.	*Willoughby*[68]	49 Wilbur Place.
Etta Anthony Sampliner, M. L.	*Cleveland*[1]	321 Kennard St.
Clara Beth Schneider, M. L.	*Canton*[50]	Haydn Hall.
Anna Groh Seesholtz, M. L.	*Canton*[50]	Guilford House.

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Beulah Blanche Smith, L. E	*Cortland* [60]	1204 Cedar Av.
Ruhamah Georgette Smith, Cl.	*Cleveland* [1]	40 Cheshire St.
Lilian Bell Stilwell, M. L.	*East Cleveland* [1]	37 Stanwood Rd.
Fannie Langhorne Stoney, Cl.	*Cleveland* [3]	30 Bridge St.
Jennie Camille Suits, Cl.	*Cleveland* [1]	50 Bertram St.
Mary Eugenia Suliot, M. L.	*Salem* [57]	136 Stearns St.
Mary Helen Thayer, M. L.	*Canton* [35]	Guilford House.
Mary Emily Van Epps, Cl.	*Cleveland* [1]	915 S. Logan Av.
Josephine Depear Walsh, Cl.	*East Cleveland* [43·10]	69 Hower Av.
Ethel Georgia Ward, Cl.	*Willoughby* [58]	Willoughby.
Ethel Ogarita Weimer, Cl.	*Cleveland* [1]	144 Hawthorne Av.
Katie Weis, M. L.	*Cleveland* [2]	354 Marcelline Av.
Cecily Whelan, Cl.	*Cleveland* [3]	103 Kentucky St.
Eleanor Worthington, M. L.	*Cleveland* [18]	34 Cheshire St.

JUNIORS, 47.

SOPHOMORES.

Ida Florence Budde, Cl.	*Cleveland* [4]	116 Spangler Av.
Stella May Champ, L. E.	*Cleveland* [4]	59 Bolton Av.
Mabel Elizabeth Chapman, Cl.	*Cleveland* [2]	103 Marcelline Av.
Anita Marie Cleveland, M. L.	*Cleveland* [1]	392 Bolton Av.
Grayce Mildred Daniels, M. L.	*Canton* [50]	Haydn Hall.
Alice Duty, M. L.	*Cleveland* [4]	2577 Euclid Av.
Frieda Fliedner, M. L.	*Cleveland* [3]	160 Wellington Av.
Etta Freedlander, M. L.	*Cleveland* [1]	158 Putnam St.
Malvina Friedman, M. L.	*Cleveland* [2]	132 Hawthorne Av.
Hortense Furth, L. E.	*St. Louis* [36]	The Brooklawn.
Helen Gilchrist, L. E.	*Cleveland* [3]	560 Franklin Av.
Gertrude Marie Gillin, L. E.	*Cleveland* [1]	91 Quincy St.
Hilda Maud Hetzel, L. E.	*Miamisburg* [23]	Haydn Hall.
Edith Mabel Hill, L. E.	*Cleveland* [4·06]	350 Russell Av.
Vesta Maude Jackson, L. E.	*Cleveland* [24]	2900 Superior St.
Edna Mary Jones, L. E.	*Cleveland* [3]	1143 Woodland Hills Av.
Lena Rivers Kiefer, L. E.	*Findlay* [25]	Guilford House.
Grace Amanda King, M. L.	*Butte, Mont.* [26]	Haydn Hall.
Carrie Louise Krauss, M. L.	*Cleveland* [4]	1997 Superior St.
Lillie Belle Krider, M. L.	*Cleveland* [1]	423 Bolton Av.
Florence Rose Lembeck, M. L.	*Cleveland* [1·12]	46 Streator Av.
Irma Linn, M. L.	*Cleveland* [3]	151 Courtland St
Maud Eugenia Lyman, L. E.	*Chardon* [41]	Guilford House.
Jean Bailey McFall, L. E.	*Pittsburgh, Pa.* [27]	Guilford House.
Pauline Angelette Miser, M. L.	*Mt. Vernon* [29]	Guilford House.
Margaret Isabel Morton, Cl.	*Mt. Vernon* [29]	Guilford House.

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Mabel Adele Morris, L. E.	*Cleveland* [3]	189 W. Madison Av.
Emma May Mumaw, L. E.	*Canton* [50]	98 Murray Hill Av.
Grace Louise Pennington, Cl.	*Cleveland* [1]	79 Hough Av.
Jean Quay, Cl.	*East Cleveland* [18]	4050 Euclid Av.
Elizabeth Ellinwood Roberts, Cl.	*Winsted, Ct.* [66]	Guilford House.
Louise Christina Schuele, L. E.	*Cleveland* [3]	15 Jay St.
Helen Dennison Shepherd, Cl.	*Painesville* [30]	Guilford House.
Olga Elizabeth Solberg, M. L.	*Salem* [57]	136 Stearns St
Helen Florence Stevens, M. L.	*Cleveland* [2]	2036 Broadway.
Harriet Anna Thomas, Cl.	*Cleveland* [3]	27 Walker St.
Gwendolyn Lloyd Thomas, Cl.	*Cleveland* [2]	2688 Warner Rd.
Faye Emma Tracy, L. E.	*Euclid* [19]	Euclid.
Ruth Van Nostran, L. E.	*Cleveland* [4]	204 Harkness Av.
Elizabeth White, L. E.	*Euclid* [19]	Euclid.
Lois Brockway Williams, Cl.	*Cleveland* [1]	127 Streator Av.
Mary Wittler, L. E.	*Miamisburg* [63]	Haydn Hall.
Helen Maria Wright, Cl.	*Akron* [42]	Guilford House.
Jennie Young, L. E.	*Cleveland* [1]	22 Melrose Av.

SOPHOMORES, 44.

FRESHMEN.

Cora Estella Albright, L. E.	*Cleveland* [5]	136 Mapledale Av.
Mabel Estelle Anderson, L. E.	*Akron* [42]	Guilford House.
Lola Armstrong, M. L.	*Painesville* [30]	962 Willson Av.
Eva Clare Bauman, L. E.	*Cleveland* [1]	Bellflower Av.
Josephine Elizabeth Brock, Cl.	*Cleveland* [2]	149 Trumbull St.
Bertha Katherine Budde, L. E.	*Cleveland* [4]	116 Spangler Av.
Helen Gertrude Campbell, M. L.	*Cleveland* [11]	993 Cedar Av.
Lettie May Clague, Cl.	*Madison* [50]	297 Marcy Av.
Lila Emily Coit, Cl.	*Ravenna* [64]	75 Adelbert St.
Helen Julia Converse, Cl.	*Geneva* [47]	309 Streator Av.
Martha Cook, Cl.	*Cleveland* [3]	304 Franklin Av.
Lida Margaret Cramer, L. E.	*Cleveland* [5]	861 Scranton Av.
Cornelia Cranz, L. E.	*Akron* [42]	Haydn Hall.
Marguerite Eckstein Case Day, L. E.	*Cleveland* [3]	2100 Dennison Av.
Mary Frances Day, M. L.	*Warren* [53]	Guilford House.
Irene Delahunt, L. E.	*Buffalo* [14]	82 Hough Place.
Mildred De Laney, M. L.	*Cleveland* [1]	305 Huron St.
Helen Mar Detchon, M. L.	*Youngstown* [20]	Haydn Hall.
Viola Frances Doering, M. L.	*Cleveland* [1]	1817 Willson Av.
Maude Caroline Eberhart, Cl.	*Youngstown* [20]	Haydn Hall.
Ruth Elliott, L. E.	*Lakewood* [51]	17 Grace Av.
Aimee Carolyn Friend, M. L.	*Milwaukee* [40]	Guilford House.

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Helen Barber Gaines, Cl.	*Cleveland*[1]	173 Bell Av.
Charlotte Christine Geuder, M. L.	*Cleveland*[11]	522 Kennard St.
Florence Elsie Goodhart, M. L.	*Cleveland*[1]	1102 Case Ave.
Helen Louise Guise, L. E.	*Findlay*[25]	Haydn Hall.
Gussie Kelley Hamilton, M. L.	*Kelley's Island*[9]	Haydn Hall.
Winifred Hanlon, L. E.	*Coshocton*[49]	The Euclid.
Laura Maria Hassler, M. L.	*Cleveland*[1]	39 Williams St.
Elsie Sophia Hauser, L. E.	*Sandusky*[31]	Haydn Hall.
Mary Eustelle Hagan, Cl.	*Cleveland*[4]	386 Willson Av.
Florence Adelaide Hobson, L. E.	*Lakewood*[61]	123 Oakdale St.
Mildred Ione Honecker, M. L.	*Cleveland*[5]	482 Jennings Av.
Sarah Mildred Honeywell, L. E.	*Cleveland*[4]	315 Genesee Av.
Mamie Hoover, Cl.	*Youngstown*[20]	Haydn Hall.
Clara Mary Horn, M. L.	*Cleveland*[1]	224 Slater Av.
Ethel May Hurst, L. E.	*Cleveland*[4]	2 Norwood Av.
Mary Sortor Irvine, Cl.	*Cleveland*[4]	1097 E. Madison Av.
Henrietta Eunice Jones, L. E.	*Cleveland*[3]	32 Courtland St.
Margaret Dorothy Jones, L. E.	*Cleveland*[2]	Independence St.
Vera Pearl Jones, M. L.	*Cleveland*[2]	18 Ames Av.
Elizabeth Coit Kelton, M. L.	*Columbus*[17]	Guilford House.
Ruth Richmond Kennan, Cl.	*Medina*[38]	Guilford House.
Ruth Lehmiller, L. E.	*North Industry*[30]	98 Murray Hill Av.
Gertrude Hortense Leon, M. L.	*Cleveland*[1]	300 Kennard St.
Lillian Rhea Linn, M. L.	*Clevelana*[4]	112 Dibble Av.
Nellie May Luehrs, Cl.	*Cleveland*[4]	580 Willson Av.
Ruth Lovern Mann, M. L.	*Cleveland*[2]	22 Cable St.
Elma Anne Marble, Cl.	*Youngstown*[20]	Haydn Hall.
Ruth Bixby McKean, Cl.	*Cleveland*[4]	40 Summit St.
Eleanore Emma Michel, M. L.	*Cleveland*[4]	1869 Superior St.
Margretta Catherine Molony, L. E.	*Cleveland*[1]	The Pelton.
Anna Louise Morgan, M. L.	*Cleveland*[2]	2232 Willson Av.
Alma Mueller, M. L.	*Cleveland*[1]	53 Chestnut St.
Nelly Bell Newton, M. L.	*Cleveland*[11]	408 East Prospect St.
Harriet Jane Noland, L. E.	*Glenville*[4]	1155 Doan St.
Christine Ortli, L. E.	*Cleveland*[5]	1083 Pearl St.
Ruby Mary Osborne, L. E.	*Binghamton, N. Y.*[13]	59 Knox St.
Mary Ann Peabody, Cl.	*Cleveland*[2]	16 Echo St.
Rumah Adaline Peets, L. E.	*Nottingham*[1]	62 Tennis Av.
Hazel Augusta Rand, Cl.	*Madison*[54]	75 Adelbert St.
Nellie Craig Saunders, Cl.	*Cleveland*[1]	1265 Slater Av.
Helene Selminski, M. L.	*Cleveland*[4]	34 Princeton St.
Mary Senter, M. L.	*Columbus*[16]	Guilford House.

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Adaline Sherman, L. E.	*Cleveland* [8]	542 Franklin Av.
Harriet Smith, Cl.	*Cleveland* [1]	193 Oakdale St.
Helen Smith, M. L.	*East Cleveland* [1]	37 Grasmere.
Else May Spengler, M. L.	*Cleveland* [1]	63 Fourth Av.
Florence Anne Stevens, M. L.	*Ravenna* [64]	75 Adelbert St.
Edith Belle Taylor, Cl.	*Pen Yann, N. Y.* [43]	Guilford House.
Mary Arabella Thacher, M. L.	*Toledo* [63]	75 Adelbert St.
Elva Held Thomas, Cl.	*Cleveland* [1]	31 Norton St.
Marion Louise Van Vliet, L. E.	*East Aurora, N. Y.* [46]	373 Harkness Av
Anna Eliza Wallace, Cl.	*Warren* [58]	Guilford House.
Nellie Fay Wallace, M. L.	*Cleveland* [4]	67 Tilden Av.
Hazel Loucinda White, Cl.	*Painesville* [30]	306 Cedar Av.
Ethel Cora Whitworth, Cl.	*Cleveland* [2]	61 Gorman Av.
Florence Woodward, L. E.	*Cleveland* [56]	95 Mayfield Rd.
Gertrude Sumner Wright, M. L.	*Cleveland* [18]	739 Willson Av.
Lucy Harriet Young, L. E.	*Cleveland* [4]	22 Melrose Av.

FRESHMEN, 80.

STUDENTS PURSUING PARTIAL COURSES.

Stella Grace Beitman, (1)	*Cleveland* [1]	25 Beech St.
Georgia Lucile Campbell, (1)	*Mt. Vernon* [29]	59 Knox St.
Edith Condé, (21)	*East Cleveland* [70]	33 Wellesley St.
Mabel Hamilton Cowgill, (1)	*Cleveland* [54 68]	726 Republic St.
Rebecca Florence Davies, (2)	*Cleveland* [7]	841 Fairmount St.
Elisabeth Lee Dunning, (1)	*Dayton* [39]	Haydn Hall.
Edith Leona Eastman, (3)	*Glenville* [45]	161 Avondale Av.
Alice Erskine Elmer, (2)	*Cleveland* [8]	292 Dare St.
Mary Freer, (3)	*Cleveland* [1]	1528 Cedar Av.
Clover Althea Hartz, (3)	*Cleveland* [1]	987 Case Av.
Helen Sterrett Henning, (2)	*Fargo, N. D.* [67]	Guilford House.
Emanuela Anna Janousek, (2)	*Cleveland* [2]	1772 Broadway.
Jessie Thacher Johnson, (2)	*Glenville* [45]	576 Doan St.
Carrie Hannah Kingsbury, (3)	*Cleveland* [1]	94 Bertram St.
Margaret Kittrell, (2)	*Cleveland* [69]	123 Adelbert St.
Lula Kaufman, (3)	*Cleveland* [1]	981 Case Av.
Maude Barber Kendall, (3)	*Cleveland* [1]	1306 Cedar Av.
Esther Isabell Knight, (1)	*N. Brookfield, Mass.* [44]	Guilford House.
Margaret Knowlton, (1)	*Cleveland* [5]	Guilford House.
Theresa Dorothy Luck, (4)	*Cleveland* [3]	829 Scranton Av.
Emma Bean McKim, (3)	*Cleveland* [1]	100 Oakdale St.
Elizabeth Lewis Moore, (1)	*Cleveland* [1]	308 Bolton Av.
Wilamina Morrow, (3)	*Cleveland* [1]	223 East Prospect St.

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Zillah Genevieve Quayle, (3)	*Cleveland* [1]	290 Sibley St.
Catharine Dingwall Ross, (3)	*Cleveland* [1]	249 Streator Av.
Edith Russell, (1)	*Cleveland* [1]	153 Lincoln Av.
Rita Remington Sabin, (2)	*Cleveland* [4]	89 Tilden Av.
Frances Gertrude Sellers, (1)	*Mt. Vernon* [29]	59 Knox St.
Ethel Shrier, (1)	*Cleveland* [1]	930 Cedar Av.
Bertha Veronica Stevens, (2)	*Cleveland* [11]	1193 East Madison Av.
Bessie Wistar, (2)	*Cleveland* [1]	1263 Cedar Av.

SPECIAL STUDENTS, 31.

SUMMARY.

Seniors	42
Juniors	47
Sophomores	44
Freshmen	80
Specials	31
Total	244

1—Cleveland Central High School.
2—Cleveland South High School.
3—Cleveland West High School.
4—Cleveland East High School.
5—Cleveland Lincoln High School.
6—Smith College.
7—Oberlin College.
8—University of Wooster.
9—Lake Erie College.
10—Buchtel Preparatory and College.
11—Hathaway-Brown School.
12—Private Tuition.
13—Miss Mittleberger's School.
14—Central High School, Buffalo.
15—Binghamton, N. Y., Central High School.
16—University School, Columbus.
17—East High School, Columbus.
18—East Cleveland High School.
19—Euclid High School.
20—Rayen School, Youngstown.
21—South High School, Dayton.
22—Avon, N. Y., High School.
23—Miamisburg High School.
24—Garrettsville High School.
25—Findlay High School.
26—Butte High School, Montana.
27—Pittsburgh, Pa., Central High School.
28—New Philadelphia High School.
29—Mt. Vernon High School.
30—Painesville High School.
31—Sandusky High School.
32—Central High School, Toledo.
33—Medina High School.
34—Madison High School.
35—Miss Buckingham's School, Canton.
36—St. Louis, Mo., High School.
37—Mrs. Knapp's School, Elizabeth, N. J.
38—Northfield Seminary, Mass.
39—Steele High School, Dayton, O.
40—Milwaukee High School, Mich.
41—Chardon High School.
42—Akron High School.
43—Pen Yann, N. Y., High School.
44—North Brookfield, Mass., High School.
45—Glenville High School.
46—East Aurora High School, N. Y.
47—Geneva High School.
48—University of Rochester.
49—Coshocton High School.
50—Canton High School.
51—Lakewood High School.
52—Cuyahoga Falls High School.
53—Warren High School.
54—Cambridge, O., High School.
55—New Lyme Institute.
56—Kalamazoo High School.
57—Salem High School.
58—Willoughby High School.
59—Rockford High School, Ill.
60—Cortland High School.
61—St. Johnsbury, Vt., Academy.
62—Rochester, N. Y., High School.
63—Salt Lake College, Utah.
64—Ravenna High School.
65—Toledo High School.
66—Gilbert School, Winsted, Ct.
67—Fargo, N. Dakota, High School.
68—Scio College.
69—Hamburg, Ark., High School.
70—Rockford High School, Ill.

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REQUIREMENTS FOR ADMISSION.

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION.

Applicants for admission may be examined either during Commencement week or at the opening of the first term in September. Those who wish to be examined during Commencement week should notify the Registrar before June 10; those who wish to be examined in September, before September 10.

REQUIREMENTS COMMON TO ALL COURSES.

All candidates, irrespective of the course they may choose, must be prepared in English, Latin, and Mathematics, according to the outlines of those subjects given below.

ENGLISH: The examination consists of two parts. On the books marked *A* in the following lists, the student is required to write a paragraph or two on each of several topics chosen by her from a considerable number set before her on the examination paper. In every case the knowledge of the book will be considered of less importance than the ability to write English. On the books marked *B*, the student is required to answer questions relating to the author, subject matter, the essentials of English grammar, and the important facts in those periods of English literary history to which the prescribed books belong. She is also expected to express her knowledge with clearness and accuracy.

Examinations in 1902: *A*. For Reading: Shakespeare's Merchant of Venice; Pope's Iliad, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Cooper's Last of the Mohicans;

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Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B.* For Study: Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, Il Penseroso; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

Examinations in 1903 and 1904: *A.* For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B.* For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—Six orations, including De Imperio Gn. Pompeii. Virgil—six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Loomis, Wells, or Wentworth's College), to the chapter on the Binomial Theorem. Geometry—(Wentworth or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

In addition to the above, students entering the several courses must be prepared in the following subjects: For the Classical Course, Greek; for the Modern Language Course, French or German; for the Latin-English Course, Chemistry, Physics, and History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the Preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered an equivalent). Homer—three books of the Iliad, with Prosody. The translation at sight of easy

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passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), or Jones's Exercises in Greek Prose (twenty-six exercises), is recommended. History of Greece—the amount required is indicated by Botsford's, Oman's or Myers's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: A thorough knowledge of grammatical forms and of syntax; accuracy in pronunciation; ability to understand simple spoken French; facility in rendering English into easy French; ease and accuracy in sight translation.

First year: Elementary grammar with exercises; the irregular verbs; Super's French Reader; Halévy's L'Abbé Constantin, and similar easy texts. *Second year:* Advanced grammar; syntax; reading of some 500 pages from modern authors—Sand, Mérimée, Labiche, Hugo, Sandeau, Daudet; composition based upon the texts (see such a series edited by Grandgent and Kimball, or François' Introductory French Prose Composition). *Third year:* Advanced syntax and review of grammar; composition and dictation; reading of about 800 pages of prose, poetry and drama from the works of Corneille, Molière, Racine, La Fontaine, Voltaire, Rousseau, Balzac, Musset, Coppée, De Maupassant, Daudet, Zola; practice in sight translation.

The following grammars are recommended: Grandgent, Whitney, Edgren, Chardenal, or a similar work. For suggestions of great value, regarding reading material, grading of courses, and methods of instruction, consult the "Report of the Committee of Twelve of the Modern Language Association of America." (D. C. Heath & Co.)

GERMAN: Grammar, with translation at sight of easy German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when spoken. In addition, familiarity with the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

CHEMISTRY; Remsen's Chemistry, briefer course, or an equivalent. Class work (through one year). Laboratory.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Class-work through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative,

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such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY: (through one year). Courses suggested in order of preference: Greek and Roman (studied as a separate course distinct from work in Latin), or Mediæval and Modern, or English.

NOTE: Students presenting more than two years' preparatory work in history will be granted advanced standing upon passing an examination.

ADMISSION ON CERTIFICATE.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar, during Commencement week, or as soon thereafter as practicable.

When the above requirements have not been met exactly, the equivalents offered must be specified in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all of the requirements.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to the Sophomore, Junior and Senior classes, whether from other colleges or not, may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior class after the beginning of the second half-year.

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COURSES OF STUDY.

FRESHMAN YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

	Hours a week.		Total hours.
BIBLE, 1, 2	1	(throughout the year)	34
ENGLISH, 1 2	3	" " "	102
LATIN, 1, 2	3	" " "	102
MATHEMATICS, 1, 2	3	" " "	102

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

Classical Course	GREEK, 1, 2 ..... AND GERMAN, 1, 2 / or FRENCH, 1, 2 }		
Modern Language Course	GERMAN, 5, 6 / FRENCH, 1, 2 } ..... or FRENCH, 3, 4 / GERMAN, 1, 2 }	6 hours a week throughout the year.	204
Latin-English Course	PHYSICS, 1 A (first half-year).. HISTORY, 1 (second half-year). GERMAN, 1, 2 / or FRENCH, 1, 2 }		

544

In addition to the above subjects all members of the Freshman class are required to attend lectures on Hygiene, one hour a week, first half-year. Systematic exercises in the gymnasium three times a week, throughout the year, are required of Freshmen and Sophomores.

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SOPHOMORE YEAR.

REQUIREMENTS COMMON TO ALL COURSES.

	Hours a week.		Total hours.
BIBLE 3	1	(first half-year)	17

ADDITIONAL REQUIREMENTS FOR EACH COURSE.

Classical and Modern Language Courses	HISTORY, 1	3	(first half-year)	51	
	PHYSICS, 10	3	(first half-year)	51	
	ELECTIVES	9	(first half-year)	153	
		15	(second half-year)	255	
Latin-English Course	FRENCH, 1, 2 / GERMAN, 3, 4 / or / FRENCH, 3, 4 / GERMAN, 1, 2	6	(throughout the year)	204	510
	PHILOSOPHY I	3	(second half-year)	51	
	ELECTIVES	9	(first half-year)	153	
		6	(second half-year)	102	
					527

JUNIOR YEAR.

BIBLE 4, 5	1	(throughout the year)	34
ELECTIVES	15	" " "	510
			544

SENIOR YEAR.

ELECTIVES	15	(throughout the year)	510

Among their electives Classical and Modern Language students are required to take at least one course in either Economics or Philosophy, and at least one course each in two of the three sciences, Biology, Chemistry, and Physics. Latin-English students are required to take at least one course in Economics or Philosophy in addition to Philosophy I, and at least one course in Biology or Chemistry. See also page 114.

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SYNOPSIS OF STUDIES.

The following statements include all courses offered, whether prescribed or elective. Unless otherwise stated, each course consists of three weekly recitations of one hour each.

In making choice of elective courses students are expected to confer with the President, Registrar, and members of the Faculty for advice and assistance. Students must give the Registrar written notice of their choice of electives for the second half-year of 1902-1903, on or before January 17th, 1903; for first half-year, 1903-1904, on or before May 23d, 1903.

ANTHROPOLOGY.

PROFESSOR CURTIS.

1. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

2. SOCIOLOGY. Open to Seniors who have taken the elementary courses in Psychology, Ethics and Economics. Lectures will be given by the instructor throughout the term and special work will be assigned to each student for report and discussion. Second half-year. Four hours.

ART.

PROFESSOR FOWLER.

1. HISTORY OF ART. Ancient art—Lectures and collateral reading. 1902-1903. Through the year.

2. HISTORY OF ART. Post-classical art; from the beginning of Christian art through the period of the Renaissance—Lectures and collateral reading. Through the year. [Not given in 1903-04.]

ASTRONOMY.

PROFESSOR WHITMAN.

The course is mainly descriptive and is amply illustrated. The simpler problems of spherical astronomy are discussed. Some attention is given to the history of astronomy. Text-book, Young's General Astronomy. Second half-year.

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THE BIBLE.

PRESIDENT THWING, 1.

DR. HAYDN.

MR. HOWELL M. HAYDN, 2-12.

1, 2. THE LIFE OF CHRIST.. One hour a week throughout the year.

3. THE ACTS OF THE APOSTLES. One hour a week, first half-year.

4, 5. STUDIES IN THE OLD TESTAMENT. One hour a week throughout the year.

6. STUDIES IN THE GENERAL EPISTLES. A critical course intended for those who can use the Greek Testament. Second half-year.

7. THE PAULINE EPISTLES. A course in the English Testament, aiming to exhibit the circumstances of writing, content, and permanent value of these epistles to the church. Second half-year, 1903-1904.

8. THE GENERAL EPISTLES. A course similar to 7. Second half-year, 1902-1903.

9. OLD TESTAMENT POETRY. A series of studies in the English Old Testament, taking up Hebrew poetry as exhibited especially in the historical books, in Proverbs, and in Psalms. First half-year, 1902-1903.

10. OLD TESTAMENT PROPHECY. A course in the English Old Testament, aiming to exhibit fully the times and the personalities of the Hebrew prophets, as well as their distinctive messages. First half-year, 1903-1904.

NOTE: Courses 9 and 10 are open to those only who have had courses 4 and 5.

11, 12. HEBREW GRAMMAR AND READING. An introductory course. Harper's Elements of Hebrew will be used, with the Old Testament text. Throughout the year.

The establishment of the Florence Harkness Foundation has enabled this department not only to become exceptionally well supplied with maps and books, but to offer each year to all the students a series of lectures by eminent persons from outside the University. In 1896-7, Dr. William H. Ward, of the Independent, delivered five lectures on the connection of Old Testament History with that of Egypt, Babylon and Syria. In 1897-8 Professor Charles P. Fagnani, of Union Theological Seminary, gave a course of five lectures on The Bible and Its Interpretation, and Mr. Gerald Stanley Lee, of Northampton, Mass., five lectures on the Mind of Christ. In the Spring of

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1899, Professor George Adam Smith, of Free Church College, Glasgow, Scotland, gave eight lectures on the Old Testament. In 1899-1900, Professor Richard G. Moulton, of the University of Chicago, delivered five lectures on The Literary Interpretation of the Bible.

In 1900-01 Professor Frank K. Saunders, Ph. D., D. D., of Yale University, gave a course of five lectures on "The Prophets of Israel and their Messages."

In 1901-02 Professor W. D. Forrest, D. D., of Glasgow, Scotland, gave one lecture on Christ's Teaching as to Individual and Corporate Duty. The Right Reverend Henry C. Potter, Bishop of New York, one on The Place of the Bible in Modern Life. Professor Richard G. Moulton, of the University of Chicago, three lectures on The Bible as a Story Book; The Book of Job, a Dramatic Masterpiece; The Place of the Bible in a Liberal Education. John Peter Jones, D. D., of Madura, India, gave three lectures on Conditions, Problems, and Results of Missionary Service.

In Old Testament teaching the object is to trace the development of the idea of the kingdom of God, as wrought out in the history of the Hebrew people until the coming of Christ; to dwell upon the pivotal men and periods of the history; to take account of the several books, their significance and literary form—so to prepare the way for a more intelligent study of the Scriptures, in detail, in after life.

BIBLIOGRAPHY.

MR. SEVERANCE, 1, 2.

MR. WILLIAMS, 3.

1. HISTORICAL AND GENERAL BIBLIOGRAPHY. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work. 1902-1903. Second half-year.

2. THE SOURCES AND LITERATURE OF MEDIAEVAL HISTORY. This course will describe the original material at the command of the historian of the Middle Ages, and show what use has been made of this source of material by modern writers. The course is designed for students interested in historical study or library work.

3. REFERENCE WORK. A study of the better known works of reference, as the general and special cyclopedias, dictionaries, annuals, indexes to periodicals, and ready reference manuals of every kind. Works of a similar nature will be compared, and the limitations of

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each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. One hour a week, second half-year.

BIOLOGY.

PROFESSOR HERRICK.

MR. JAMES.

1. ELEMENTARY BIOLOGY. An introduction to the study of animal and plant life. One recitation, two laboratory exercises of two hours each. Second half-year.

2. ZOOLOGY—COMPARATIVE ANATOMY OF INVERTEBRATES. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. ZOOLOGY—COMPARATIVE ANATOMY OF VERTEBRATES. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

6. PHYSIOLOGY. Elements of the physiology of man and the lower animals. Three exercises, consisting of lectures, recitations, and demonstrations of one hour each. First half-year.

7. ELEMENTS OF VERTEBRATE EMBRYOLOGY. A study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. ANIMAL BEHAVIOR. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Two exercises weekly. First half-year.

10. BOTANY. An introduction to the study of plants. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

11. READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from December 1 to May 1 at a time most convenient to the members.

The Laboratory Fees for the different courses are: Courses 1, 2, 3, 7, 10, $5.00.

CHEMISTRY.

PROFESSOR MORLEY.

ASSOCIATE PROFESSOR GRUENER.

ASSISTANT PROFESSOR TOWER.

1. CHEMISTRY OF THE NON-METALLIC ELEMENTS. Remsen's College Chemistry. Two hours a week in recitation and one laboratory exercise of three hours. First half-year.

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2. INORGANIC CHEMISTRY. A more advanced course in general chemistry, designed for students entering with a preparation in chemistry. Newth's Inorganic Chemistry. One recitation and two laboratory exercises each week. First half-year.

3. CHEMISTRY OF THE METALS. Remsen's College Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. Second half-year.

4. PHYSIOLOGICAL CHEMISTRY. This course will be popular in its nature, and will consist of lectures on the chemistry of the animal body, the chemistry of nutrition, and the chemistry of the ordinary food materials, including the influence of cooking on the chemical composition and on the nutritive value of foods. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. First half-year.

5. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken courses 1 and 3, or courses 2 and 3. First half-year.

6. Course 5 continued. Second half-year.

7. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Second half-year.

The Laboratory Fees for the different courses are: Courses 1, 3 or 4, $3.00; Course 2, $4.00; Courses 5 or 6, $5.00; Course 7, $6.00.

ECONOMICS.

DR. YOUNG.

1. ELEMENTS OF ECONOMICS. Recitations, lectures and required readings. Text-book, Bullock's Introduction to the Study of Economics. First half-year.

2. THE DISTRIBUTION OF WEALTH. A discussion of modern theories of value and distribution, together with an historical and critical treatment of the more important institutions affecting the distribution of wealth, such as property and contract. Lectures and required readings. Second half-year.

3. ECONOMIC HISTORY. The economic history of England from the thirteenth to the middle of the nineteenth century. Lectures and required readings. Text-book, Cheyney's Industrial and Social History of England. First half-year.

4. ECONOMIC PROBLEMS. A brief discussion of socialism is followed by a study of labor problems. Lectures and required readings.

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Text-books, Ely's Socialism and Social Reform, and Levasseur's The American Workman. Second half-year.

5. CHARITIES AND CORRECTION. The problems connected with pauperism and crime, and the methods of dealing with them. Lectures, assigned readings and class reports. Second half-year.

ENGLISH.

PROFESSOR HULME, 8-21.

MR. STEVENS, 1-7.

COMPOSITION.

1, 2. PRINCIPLES OF ENGLISH COMPOSITION. Lectures, recitations, themes and conferences. Especial attention will be given to paragraph writing and the study of modern prose writers. Required throughout Freshman year.

3. DAILY THEMES (for a considerable portion of the time); frequent long themes, lectures, conferences. Open to all who have taken courses 1 and 2. First half-year.

4. CONTINUATION OF 3. In course of the year detailed attention will be given to exposition, criticism, description, narrative and argumentation. Second half-year.

5. THEMES. The work in this course will be adapted to the needs and tastes of the students electing it. Especial opportunity will be given for criticism by the members of the class. Open to those who have taken courses 3 and 4. First half-year.

6. CONTINUATION OF 5. Under the direction of the instructor, each student will be required to plan and write a piece of composition of considerable length. This course may be elected two years in succession. Second half-year.

7. ARGUMENTATION. Two long forensics, preceded by briefs. The questions for these forensics will be so selected that each student may write on a subject connected with her college studies. Lectures, conferences, study of masterpieces of argumentation, briefs based on the latter, debates.

LANGUAGE.

8. A BEGINNERS' COURSE IN OLD ENGLISH. In this course special attention is given to the elements of Old English grammar, and to the reading of selections from Old English prose and poetry. Text-books: Smith's Old English Grammar; Bright's Anglo-Saxon Reader. First half-year.

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9. OLD ENGLISH EPIC POETRY. Beowulf is read and is made the basis of a careful study of the mythology, and the religious and social life of the Anglo-Saxons. Advanced Old English Grammar. Parallel reading of other epic fragments in Old English. Text-books: Wyatt's Beowulf; the Cook-Sievers Old English Grammar. Second half-year.

10. OLD AND MIDDLE ENGLISH. The Elene is read with the class. Lectures on Cynewulf and Old English poetical literature. The history of the English language, and readings from late Old English and early Middle English. Text-books: Kent's Elene; Emerson's History of the English Language; Morris and Skeat's Specimens of Early English, Part I. First half-year.

LITERATURE.

11. CHAUCER. Select readings from the Canterbury Tales. Lectures on Chaucer's life and works, and on his contemporaries and immediate successors in English literature. Text-books: Skeat's edition of The Prologue, The Knight's Tale, and The Nonne Prestes Tale (Clarendon Press Series). Second half-year.

12. NON-DRAMATIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. In this course the work will be confined mainly to a careful study of the poetry of Spenser and Milton. 1903-1904. First half-year.

13. SHAKESPEARE AND THE ELIZABETHAN DRAMA. This course is preparatory to a more extended study of Shakespeare and his contemporaries. A brief history of the Pre-Shakespearean drama in lectures. A study of three or four of Shakespeare's plays. 1903-1904. First half-year.

14. SHAKESPEARE. Lectures on the development of Shakespeare's art and the later Elizabethan drama. The class is required to read all of Shakespeare's plays. Open to students who have had course 13 or its equivalent. 1903-1904. Second half-year.

15. ENGLISH LITERARY CRITICISM. The history of literary criticism. The class will study select essays of Dryden, Steele and Addison, Johnson, Coleridge, Lamb, Hazlitt, DeQuincey, Leigh Hunt, Carlyle, Mathew Arnold and others. Lectures and papers. Open to students who have had courses 16 and 17 or their equivalents. 1903-1904. First half-year.

16. CLASSICISM IN ENGLISH LITERATURE. A history of modern English literature from Milton to the beginning of the Romantic movement in the eighteenth cenutry. The development of Classicism

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in English poetry of the seventeenth and eighteenth centuries. This course is arranged specially for Sophomores who intend to elect English literature. First half-year.

17. THE ROMANTIC MOVEMENT OF THE EIGHTEENTH CENTURY. A history of English poetry from about 1760 to 1830. Select readings from the poetry of Burns, Wordsworth, Coleridge, Scott, Byron, Keats, Shelley and other contemporaries. Several papers required. Second half-year.

18. AMERICAN LITERATURE. The historical development of English literature in America from its beginning to the present day. Lectures, papers and extensive readings from the principal writers. Open to Juniors and Seniors. Second half-year.

19. THE ENGLISH NOVEL. The history of the rise and growth of the English Novel from its beginning to the nineteenth century. Lectures, select readings and papers. Text-book: Cross' Development of the English Novel. 1902-1903. First half-year. Not given 1903-1904.

20. ENGLISH POETRY FROM 1830 TO 1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, and other poets of the period. A large amount of reading and frequent papers are required on topics suggested by the course. Open to Juniors and Seniors. Not given 1903-1904.

21. ENGLISH PROSE FROM 1830 TO 1880. Carlyle, Ruskin, Matthew Arnold, Newman, Thackeray, George Eliot, and other prose writers of the period. The course is a continuation of 20, but the two may be elected separately. Open to Seniors and Juniors. Not given 1903-1904.

GEOLOGY AND MINERALOGY.

PROFESSOR CUSHING.

1. MINERALOGY. Crystallography, and descriptive Mineralogy. Two hours of recitation and lectures, and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Determinative Mineralogy and blow-pipe analysis. Three laboratory exercises of three hours each. Physical crystallography may be substituted for the blow-pipe work. Second half-year.

3. GEOLOGY. Dynamical Geology. Three hours a week. First half-year.

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4. GEOLOGY. Structural and Historical Geology. Lectures and field work in vicinity of Cleveland. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. Second-half year.

A Laboratory fee of $1.00 is charged for courses 1, 2 or 4.

GERMAN.

PROFESSOR DEERING.
PROFESSOR HARRIS, 3.
DR. MEYER, 5a.
DR. FIFE.

1, 2. GERMAN GRAMMAR AND READER. Easy modern texts. In this and the following courses German is spoken as much as possible in the class-room, but such conversation is regarded as a means, not as an end. Throughout the year.

3, 4. GRAMMAR CONTINUED—PROSE COMPOSITION. Recent German prose and the simpler plays of Lessing, Goethe, or Schiller. In 1903-1904 the first text will be Wildenbruch's Der Letzte. Throughout the year.

5, 6. ADVANCED GRAMMAR—PROSE COMPOSITION. Rapid reading of representative modern authors and, in the second half-year of classic German, with especial attention to Schiller. Practice in reading at sight. The first text for 1903-1904 will be Riehl's Burg Neideck. Throughout the year.

7. GOETHE. His life and works and times, with selected readings from his lyrics, prose and dramas. An outline of the development of German literature during the classical period will be studied. First half-year.

8. NINETEENTH CENTURY AUTHORS. Outline history of German literature since Goethe's death, with especial reference to its prose development. Readings from the best modern novelists, essayists, historians and dramatists. Practice in writing German. Second half-year.

9. FAUST. Lectures on the development of the Faust legend, with parallel reading of the most important Faust literature; Goethe's Faust. First half-year.

10. LESSING AND THE CLASSIC GERMAN DRAMA. Early eighteenth century drama, Lessing's reforms and influence (lectures); all his important dramas and best critical works, with illustrative parallel reading. First half-year.

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12, 15. MIDDLE HIGH GERMAN. Paul's Mittelhochdeutsche Grammatik; Selections from the Nibelungenlied, from Hartmann, Walther, and Wolfram. Throughout the year.

14. HEINE. Lectures on the life and times of Heine, with readings from his most important works. Especial attention will be given to his contemporaries, as well as to the social and political aspects of the time. Second half-year.

16. ADVANCED COMPOSITION. Studies in German style. Original German essays on subjects assigned. Lectures on the history of the German language. Recommended to those who intend teaching German.

17. CONTEMPORARY GERMAN LITERATURE. The new spirit of German literature. Sudermann, Hauptmann, Liliencron, Fontane.

18. OLD GERMANIC MYTHS AND LEGENDS. Outline of Germanic Mythology. Study of the most important mediæval saga cycles. Lectures and papers.

Courses 9-18 are open only to students who have taken courses 7 and 8, or their equivalent. Not more than two of these courses will be given in any half-year.

GREEK.

PROFESSOR FOWLER.

PROFESSOR FULLER.

1. HOMER. The Odyssey. Two books will be read consecutively and the remainder studied in representative selection and in English translation, with a view to a literary acquaintance with the entire poem. Considerable attention will be given to developing facility in translating at sight. First half-year.

2. ATTIC ORATORS. Selections from Lysias, Isocrates and Demosthenes. Greek rhetoric. Lives of Attic orators. Legislative bodies and law practice in Athens. History of Greece from the beginning of the Peloponnesian war to the death of Philip. Greek Prose Composition. Second half-year.

Only two of the following elective courses will be given in any half-year:

3. THE DRAMA. Two tragedies; metres and theory of music; lectures on the archæology of the drama (actors, costumes, buildings, etc.) First half-year.

4. Plato's Apology, Crito, and selections from other works. Second half-year.

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5. PHILOSOPHY. Seminary work in the Fragments of the Early Philosophers (Diogenes Laertius, de Vitis, Dogmatibus et Apophthegmatibus Philosophorum; Ritter et Preller, Fragmenta Philosophiæ Græcæ), and selections from Plato and Aristotle. First half-year.

6. HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, and other sources of Greek history. Second half-year.

7. ORATORY. Comparative study of speeches of Attic orators. The speeches of Thucydides, etc. First half-year.

8. Aristophanes' Frogs and selected Dialogues of Lucian. History of Greek literature illustrated by selections from authors not hitherto studied in class. Second half-year.

9. DRAMA. The development of Attic drama as exhibited in the extant plays and fragments. First half-year.

10. GREEK PROSE COMPOSITION. An advanced course, the special features of which will be determined by the acquirements and needs of the class. Second half-year.

Courses 5-10 are open only to students who have taken courses 3 and 4, or their equivalent. Not more than two of these courses will be given in any half-year.

HISTORY.

PROFESSOR BOURNE.

ASSOCIATE PROFESSOR SEVERANCE, 13, 14, 15.

DR. HUNT, 3, 4, 5, 6, 9.

1. HISTORY OF THE MIDDLE AGES. The migrations, the development of the church as an institution, the mediæval empire, feudal society. Either half-year.

2. HISTORY OF FRANCE, from the end of the Middle Ages to the death of Louis XV. Development of the political and social institutions of the Old Régime. Either half-year.

3. HISTORY OF ENGLAND, from the end of the Middle Ages. The development of English institutions, and the rise of England to the position of a great state. First half-year.

4. HISTORY OF GERMANY, 1494-1786. The Renaissance, the Reformation, the Thirty Years' War, the Rise of Prussia, Frederick the Great. Second half-year.

5. AMERICAN COLONIAL HISTORY, to the end of the Revolutionary War. The discovery and settlement of North America, the political growth of the colonies, and their development towards independence and union. First half-year.

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6. HISTORY OF THE UNITED STATES, from 1783 to the close of the Reconstruction period. The consolidation of institutions, the growth of national life, expansion westward, the slavery question, etc. Second half-year.

7. FRENCH REVOLUTION, 1789-1799, with introductory studies of the Old Régime. First half-year.

8. EUROPE IN THE NINETEENTH CENTURY, including the Napoleonic period and the successive régimes in France, the reorganization of Germany, the union of Italy, and the general progress of civilization. Second half-year.

9. POLITICAL INSTITUTIONS OF THE UNITED STATES, a study of national, state and city administration, of the system of party government and of political problems. Based on Bryce's American Commonwealth. Second half-year.

In courses 3-9 the work will include wide reading from the literature of the subject, as well as some study of official records and of contemporary writers.

11. EPOCHS OF HISTORY. The object is the more careful study of a particular epoch, from the sources and from other writers; for example, the English Reformation, England under the Stuarts, Mediæval France, the beginnings of the Bourbon monarchy, the Lutheran Reformation. First half-year.

12. HISTORY AND HISTORICAL RESEARCH. This includes a sketch of the development of the scope of history as a literature, a study of the masters of historical writing, a study of the elements of historical criticism, and practical work in investigation. Second half-year.

Course 11 is open each year to Seniors who have had, in addition to 1, two other courses selected from 2 to 9. Course 12 is open to Seniors who have had 11 or 15.

13. LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from Mediæval Manuscripts. First half-year.

14. THE BELIEFS AND SUPERSTITIONS OF THE MIDDLE AGES. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. 1903-1904. First half-year.

15. SPECIAL TOPICS IN MEDIAEVAL HISTORY. This course will be conducted according to the principles of the seminary method, and

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aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1903-04 will be either the "Vita Heinrici IV. Imperatoris," or "The Crusades."

For the courses in Historical Bibliography, see Bibliography.

The lectureship in History was founded by the Daughters of the American Revolution, and was filled in 1900 by the late Professor Moses Coit Tyler, of Cornell University, and in 1901 by Mr. Thomas Wentworth Higginson, LL. D.

For 1903 the lecturer will be Professor J. B. McMaster of the University of Pennsylvania.

HYGIENE.

DR. CHAPMAN.

1. The instruction consists of weekly lectures illustrated with charts, manikin and skeleton. These lectures embrace the fundamental principles that underlie the promotion of health; the structure and functions of all the organs of the body; the proper exercise and rest of the muscles; the conversion of food into tissues; the importance of always keeping the body supplied with pure blood; ventilation, food and clothing. Special attention is given to the nervous system, including the care of the eyes. First half-year.

LATIN.

PROFESSOR PERKINS.

PROFESSOR PLATNER, 19.

1. Livy, Books XXI, XXII; translation at sight and at hearing; the writing of Latin. Collateral reading in Roman History. First half-year.

2. Cicero de Senectute; Plautus (one play); Horace, Satires. Translation at sight and at hearing; the writing of Latin. Second half-year.

Only four of the following elective courses will be given in any half-year:

3. Odes and Epodes of Horace. First half-year.

4. Cicero's Letters. First half-year.

5. Letters of Pliny the Younger. First half-year.

6. Tacitus and Suetonius. Tacitus, Agricola; Annales (Books 1-2, entire; Books 3 and 4, selections). Suetonius, selections. First half-year.

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7. HISTORY OF LATIN LITERATURE (Poetry). Lectures, with reading of typical selections, and direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. First half-year.

8. LUCRETIUS. First half-year.

9. CATULLUS. Selections from Tibullus, Propertius and Ovid's Tristia. Second half-year.

10. THE EPISTLES OF HORACE. The Ars Poetica. Wilkins' Primer of Roman Literature. Second half-year.

11. ROMAN COMEDY. Terence and Plautus. Second half-year.

12. JUVENAL AND MARTIAL. Second half-year.

13. LATIN RHETORIC. Quintilian, Book x; Cicero, De Oratore, Selections. Second half-year.

14. ROMAN ORATORY. Tacitus, Dialogus de Oratoribus, with selections from Cicero. Second half-year.

15. TEACHERS' TRAINING COURSE. This course is recommended only for students who have had two years of elective work in Latin. The aim of the course is to give prospective teachers assurance in their work. The course includes lectures on problems connected with the teaching of Latin in secondary schools; practical exercises in the study of the Grammar and the authors read in secondary schools. Second half-year.

16. Selections from Cicero, de Officiis, and the Tusculan Disputations. Second half-year.

17. SENECA. Selections from (*a*) Prose writings. (*b*) Tragedies. Second half-year.

18. HISTORY OF LATIN LITERATURE. (Prose.) Lectures, with direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. Second half-year.

19. LATIN OF THE SILVER AGE. 1902-1903. Second half-year.

MATHEMATICS.

PROFESSOR PALMIÉ.

1. TRIGONOMETRY. Jones's Drill Book in Trigonometry. First half-year.

2. ALGEBRA. Hall and Knight's Text-book. Second half-year.

3. PLANE AND SOLID GEOMETRY. Exercises to be solved by the students; Chauvenet's Elementary Geometry. Second half-year.

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5. ANALYTICAL GEOMETRY. Loney's Analytical Geometry. First half-year.

6. DIFFERENTIAL CALCULUS. Osborne's Differential Calculus. Second half-year.

7. INTEGRAL CALCULUS. Osborne's Calculus. First half-year.

8. DIFFERENTIAL CALCULUS (advanced course). Harnack's Introduction to the Calculus.

9. ANALYTICAL GEOMETRY (advanced course). Salmon's Conic Sections. First half-year.

10. THEORY OF FUNCTIONS, of a complex variable. Introductory course.

11. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. First half-year.

12. PROJECTIVE GEOMETRY. Second half-year.

13. THEORY OF SUBSTITUTION GROUPS, and its application to algebraic equations.

14. THEORY OF NUMBERS. Elementary course.

Only three elective courses will be offered in any half-year.

MUSIC.

MR. CLEMENS.

1. HISTORY OF MUSIC. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical development and relations of the different periods may be more clearly understood. First half-year.

2. A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and Bach. Substantially the same methods will be followed as in the work of the preceding course. Second half-year.

Those desiring to elect the course in the second term only must possess an adequate knowledge of this subject.

3, 4. HARMONY AND COUNTERPOINT. Throughout the year.

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PHILOSOPHY, PSYCHOLOGY AND EDUCATION.

PROFESSOR AIKINS.

DR. MARVIN.

1. LOGIC. The principles of logic, with practice in definition and the analysis of arguments. Required of Latin-English Sophomores, elective for others. Second half-year.

2. ELEMENTARY PSYCHOLOGY. An outline of the subject, mainly from the physiological and pedagogical standpoints. This course is introductory to all the other work in the department, except Logic. It is open to Sophomores. First half-year.

3. ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

4. INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion, what knowledge is and what we can hope to know, idealism, realism and scepticism; the relation of knowledge to faith. (Omitted in 1902-3.)

5. HISTORY OF PHILOSOPHY. Some of the greatest thinkers, and how they looked at life and the world. Second half-year.

6. ADVANCED COURSE in Philosophy. A critical study of some one or two philosophers or of some group of philosophical problems. First half-year.

7. HISTORY OF EDUCATION. An historical study of educational theories and practices, with special reference to their relations to the history of philosophy and the history of morals. The course will include a large amount of outside reading. Second half-year.

8. PSYCHOLOGY IN EDUCATION. The course is intended to cover about the following ground. Animals and children: how to study them and what we learn from them. Individual differences: the mental life and education of the blind, the deaf and other defectives. Laws of mental and physical growth. Rhythm, fatigue, and other general relations of mind and body. The training and the breakdown of various mental faculties. Special educational devices and their psychological basis. Second half-year.

9. PRINCIPLES OF EDUCATION. The meaning and aim of education, and the various problems of education itself, such as those of curriculum and method. Second half-year.

Only two of the last three courses are likely to be given in the same half-year.

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PHYSICS.

PROFESSOR WHITMAN.

DR. REICHMANN.

1A. General contents and text-book as in course 1. For Freshmen entering the Latin-English course. The work is arranged to utilize as fully as possible the preparatory course in Physics. First half-year.

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. LIGHT, ELECTRICITY AND MAGNETISM. Continuation of course 1. Second half-year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics or Preston's Theory of Light, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Second half-year. Alternating with 9.

5. ELECTRICITY AND MAGNETISM. A review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of course 5. Second half-year.

7. MECHANICAL DRAWING. A course involving the principles of Descriptive Geometry and their application to mechanical drawing, the preparation of working drawings, elementary curve-tracing, etc. Faunce's Descriptive Geometry will be used as text. Second half-year.

8. APPLIED ELECTRICITY. An elementary course of lectures on the modern applications of electricity, including continuous and alternating current machinery, batteries, lighting, telegraphy, telephony, etc. Two exercises weekly. Second half-year.

9. MECHANICS. The Elements of Applied Mechanics. Text-book: Wright's Elements of Mechanics. Second half-year. Alternating with 4.

10. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to text-books, and a few exercises in the laboratory. Required of Classical and Modern Language Sophomores. First half-year.

11. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary laboratory arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in

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the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

12. PHYSICAL EXPERIMENT. Special topics in Physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

13. PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and current physical literature by members of the conference. One meeting weekly.

Courses 11 and 12 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

The weekly exercise under course 11 may be combined with course 12 to count for one three-hour course.

The laboratory fee for course 10 is $2.00; for each of the other laboratory courses, $4.00.

ROMANCE LANGUAGES.

ASSISTANT PROFESSOR OLIVER.

FRENCH.

1, 2. BEGINNERS' COURSE. Grammar, easy reading, composition, conversation. Throughout the year.

3, 4. ADVANCED COURSE. Rapid reading of modern prose, poetry and drama. Syntax and composition. Conversation, reports on outside reading. Throughout the year.

Courses 1, 2, 3, 4 or their equivalent must precede all others.

By special permission students who do exceptionally good work in courses 1, 2 and 3, may omit 4 and enter the elective courses. Such students, however, will not receive credit for the omitted course.

Of the following courses not more than two will be given in any half-year:

5. THE CLASSIC DRAMA. Lectures on the rise and development of French drama. Interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year, 1902-1903.

6. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The Decadence of Classic drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Reading of Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year, 1902-1903.

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7. MOLIÈRE. Lectures on the life and times of Molière. Interpretation of the greater comedies.

8. FRENCH LYRIC AND DIDACTIC POETRY. Boileau, La Fontaine, Chénier, Victor Hugo, de Musset, Lamartine. Collateral reading. Essays.

9, 10. MODERN NOVELISTS. Lectures and recitations. The Romantic School. First half-year. The Realistic School. Second half-year. 1903-1904.

11. SEVENTEENTH CENTURY PROSE CLASSICS. Lectures on French culture, society and prose literature of the seventeenth century. The great preachers and moralists. Jansenism and Port Royal. The French Academy and the Salons. Memoirs and Letter-Writers. Readings from Descartes, Pascal, La Rochefoucauld, La Bruyère, Bossuet, Bourdaloue, Mme. de Sévigné, Mme. de La Fayette, Fénelon, Saint-Simon. Themes and collateral reading. First half-year.

12. EIGHTEENTH CENTURY PROSE CLASSICS. Lectures on the society and culture of the eighteenth century. Break-up of the classic ideals. Growth of the revolutionary spirit. First movements toward romanticism. Voltaire and the Encyclopedists. Rousseau, Diderot, Montesquieu, Le Sage, Bernardin de Saint Pierre. Themes and collateral reading. Second half-year.

13. THE SIXTEENTH CENTURY. The Reformation and the Renaissance. Rabelais, Calvin, Marot, Ronsard and the Pleiade, Montaigne. Readings from Darmsteter and Hatzfeld's Le Seizième Siècle en France. Study of the language and syntax of the period. Themes and collateral reading. First half-year.

14. HISTORY OF OLD FRENCH LITERATURE, with representative readings from Bartsch's Chrestomathie, La Chanson de Roland, and Christian of Troyes. The Mediæval Drama. Second half-year.

15. FRENCH HISTORICAL GRAMMAR. Phonetics, morphology, syntax. Illustrative reading from old French texts. First half-year.

16. COMPARATIVE HISTORICAL GRAMMAR of the Romance Languages, with especial reference to Old French and Provençal. Illustrative readings. Second half-year.

ITALIAN.

1, 2. GRANDGENT'S ITALIAN GRAMMAR. Reading of modern Italian. Composition. 1902-1903. Throughout the year.

SPANISH.

1. ELEMENTARY COURSE. Edgren's Grammar and Matzke's Reader, 1903-1904. First half-year.

2. READING of modern texts. 1903-1904. Second half-year.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the tenth day of June (or after the ninth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the Day of Prayer for colleges, religious exercises are held in the chapel. The exercises of the first half-year begin with prayers in the chapel at ten o'clock.

DEFICIENT WORK.

1. All entrance conditions must be removed before a student is allowed to begin the work of Sophomore year.

2. A student who fails in the work of an elective course must remove this deficiency, or complete another course as extra work.

3. All conditions incurred at examinations must be removed at the next examinations held for the same courses; except that all conditions incurred and all work omitted in Freshman year must be made up before a student is allowed to begin the work of Junior year; and that all conditions incurred, and all work omitted in Sophomore year must be made up before a student is allowed to begin the work of Senior year; and that all other conditions, and all other omitted work, must be made up before a student is allowed to begin the work of the second term of Senior year.

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Students are graded in their studies by letters which have value on a scale of eight, as follows:

E	(excellent)	7-8
G	(good)	6-7
F	(fair)	5-6
P	(pass)	4-5
D	(deficient)	-4

GRADUATION AND DEGREES.

No student will be allowed to graduate unless she has taken at least one course in either Economics or Philosophy and Psychology and at least one course each in two of the three sciences, Biology, Chemistry and Physics. Students should consult the instructors in the departments concerned as to the best time at which to take these courses.

Juniors and Seniors may diminish the number of their recitations, though not the total amount of their work, three hours a week, by arranging to do extra work in one or more courses.

The degree of BACHELOR OF ARTS is conferred on students who have completed the Classical course which includes the study of the Greek language and literature; the degree of BACHELOR OF LETTERS on those who have completed the Modern Language course, in which modern Languages are substituted for Greek; and the degree of BACHELOR OF PHILOSOPHY on those who have completed the Latin-English course, which differs from the Modern Language course in that an entrance requirement of science and history is substituted for French or German.

LIBRARIES.

Hatch Library on the Adelbert College campus, five minutes' walk from the College for Women, is open on equal terms to all members of the University. It is furnished with well lighted reading rooms, contains about forty-five thousand bound volumes and ten thousand pamphlets, and is

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especially rich in German, French, historical and philosophical literature. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. Students have access to all the books on the shelves. The library is open every day from eight to half-past five o'clock.

For the special convenience of students in the College for Women there is in Clark Hall itself a carefully selected and growing library containing encyclopædias and other books of reference, magazines, duplicates of books in common use, and a considerable number of other works.

A special library in Biblical literature is placed in The Florence Harkness Memorial Chapel. This collection is being constantly enlarged by means of funds from the Florence Harkness Foundation.

In addition to these, students may freely use the principal libraries of Cleveland. The Free Public Library contains 150,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art, and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collections readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

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LABORATORIES AND MUSEUMS.

BIOLOGY. The laboratory is designed, first, for the study of the biological sciences, especially zoology and botany; second, for containing a biological museum, in the sense of a reference or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and third, for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by herself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The library is good and constantly being increased. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for special investigation.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The

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department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This valuable addition to the scientific apparatus of the University is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

GYMNASIUM.

The Gymnasium in Clark Hall is well equipped with all the necessary apparatus, and is under the direction of a graduate of Dr. Sargent's School of Physical Training. Upon entering college each student is examined by the College Physician and the Director of the gymnasium, and information obtained concerning habits and general health. From this data and the measurements made by the Director, exercise is prescribed to meet the special need of each individual. Exercise in the gymnasium is required three hours a week of Freshmen and Sophomores, and is under the personal supervision of the Director. Students are advised to consult the Director before procuring their gymnasium suits. When the weather permits, work in the gymnasium is replaced by tennis, basket ball, golf, and other games out of doors. Special instruction is given to those who wish it in fencing and track athletics. Wade Park pond furnishes the students with facilities for rowing and skating.

Two prizes annually, one of fifteen, and the other of ten dollars, are awarded by the President to the students who, through their gymnastic work, make the greatest progress toward symmetrical development.

To receive these prizes a student must continue her work throughout the Sophomore year.

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GUILFORD HOUSE.

Guilford House offers a good home for forty students. It is warmed by hot water, well lighted, and thoroughly ventilated. The rooms are large and fully furnished. The linen for beds and tables is provided, but each student pays fifty cents a month to meet the cost of its laundrying. The charge for other laundry work is fifty cents a dozen. The table is excellent and well served, and the aim of the housekeeping is to make the surroundings as homelike as possible.

The rooms in Guilford House are arranged, for the most part, in suites consisting of a study and two sleeping rooms. The price of board and lodging for each of two students in such a suite is $250 for the college year. This rooming arrangement is earnestly recommended in preference to any other. There are, however, four choice, large single rooms, the price of which is also $250; five smaller rooms for $225 each, and one for $200. There is also one especially desirable suite for two students paying $275 apiece. Any student entering within the first five weeks will be charged from the beginning of the year. If an applicant has had a special room retained for her, and if she fail to occupy it, she will be charged for one-half of a term. Claims for deductions arising from necessary withdrawal are to be adjusted with the Officers. The date of withdrawal of a student is reckoned from the time when the President is informed of the fact by the parent or guardian. It is requested that students make separate payments for their tuition and board. Checks for board should be made payable to Guilford House. One-half the amount is due at the beginning of each term.

HAYDN HALL.

Haydn Hall offers a home for twenty-four students and also supplies rooms for the various needs of the student body. The basement contains a locker room and a well-

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equipped kitchen. The first floor is devoted especially to students who reside at their homes in Cleveland. It contains a study room, a lunch room, and a central hall. For social occasions these may be used as one large room. On the second floor are rooms for the use of the four college classes and the alumnae. The remainder of the second and the whole of the third floor are divided into living rooms for students. The prices of rooms are $250, $225. Checks should be made payable to Haydn Hall.

The life in both Guilford House and Haydn Hall is founded upon the desire to give to each student such supervision as earnest and able young women absent from home should receive, and yet to subject no one to unnecessary or annoying restraint. Certain members of the Faculty reside in each building. Their endeavor and the endeavor of all the officers—the Housemistress, the Faculty, the Advisory Council—is to make a home in every way suitable for college women.

THE FLORENCE HARKNESS MEMORIAL.

The Florence Harkness Memorial is a Perpendicular Gothic structure in stone and quartered oak. Its character is further indicated by the fact that the windows are from The Tiffany Company and the organ from The Austin Company. The chapel seats about six hundred. Under the same roof are a large lecture room, a library and study for the Biblical work of the college, the endowment of which bears the same name as the chapel.

The religious life of the college, the chapel service, the Young Women's Christian Association and Missionary societies as well as the Biblical instruction therefore centre in this building, which it is believed is as complete as possible and one of the best for its purpose in the land.

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RELIGIOUS WORSHIP.

The principles and influences of the College are distinctively Christian, but the College has no formal connection with any particular denomination. A short service is held each morning in the Chapel at a quarter past nine o'clock. All students are expected to be present at this service and on Sunday to attend the services at the churches of their choice. It is desired that as far as possible each student should enter into the life of her church. Sunday Vesper Services are held in the Florence Harkness Memorial during the college year. The students carry on a Young Women's Christian Association, the aims of which are to maintain in the College a healthy, progressive Christian spirit and to keep the students in touch with the religious and charitable work of the world.

STUDENT ORGANIZATIONS.

The students publish a monthly journal called *The College Folio*. This periodical gives them an opportunity, not merely to record or comment upon the events of the College life, but also to give expression to their literary interests. The College Annual, "Varia Historia," is published by the Junior class.

The student organizations include a Young Women's Christian Association, a Glee Club, a Mandolin Club, a Dramatic Association, an Athletic Association, and several literary and scientific societies.

The conduct of the student body as a whole is largely entrusted to the Students' Association.

CORRESPONDENCE.

Letters respecting the admission or dismission of students, requests for catalogues or general information should be addressed to the President of the University or to the Registrar of the College for Women.

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Communications in reference to board and rooms at Guilford House should be sent to Miss Elizabeth Annin. Those for Haydn Hall, to Miss Isadore Heydenburk.

EXPENSES AND BENEFICIARY AID.

The charge for tuition and incidentals for each student is $85 per year. In addition to this each student pays a matriculation fee of $5 on entering College. All checks should be made payable to the Treasurer. No charge is made for diplomas. One-half of the charge for tuition is to be paid at the beginning of each half-year; no part will be refunded if the student retain her place in class. In laboratory courses fees are charged to meet the cost of perishable material. The amount in each case is indicated with the description of the courses.

There are certain annual scholarships which are awarded to students of high rank and slender means, by which they are relieved of a portion of the tuition fee of the College. Conference either in person or by letter with the President is invited.

Scholarships may be granted annually upon application, but may be withdrawn for cause at the end of one half-year. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, is in the hands of the executive committee, who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

From the Loan Fund certain grants are made to worthy students. The Alumnae Association has also established a Loan Fund to be used for similar purposes. Students receiving these benefits are expected to maintain their standing in scholarship and to finish their course here. If dismissal to another college is sought, the College dues, including the amounts given or loaned, must first be paid.

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The opportunities offered by the College for the higher education of young women of limited means are presented to the attention of those who desire to promote such work by the establishment of scholarships for worthy students. Such foundations may be made to have an annual value of from $25 to $335.

THE HOLDEN PRIZE.

Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior or Junior on some subject selected by the department of English. Essays in competition for this prize must be submitted not later than May 15, 1903.

PUBLICATION FUND.

The Francis G. Butler Publication Fund has been established, the income of which is to be devoted to the publication of original researches in the field of American history by professors or students of this College as well as of Adelbert College and the Graduate School.

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DEPARTMENT OF GRADUATE INSTRUCTION.

GENERAL STATEMENT.

THE privileges of the Graduate Department are open, without distinction of sex, to graduates of this and other universities and colleges of good standing who present satisfactory evidence of character and scholarship. In exceptional cases, by special permission, other persons of suitable age and attainments may also be received as students.

The work of the department is under the general supervision of an Executive Committee, consisting, this year, of Professors H. A. Aikins (Acting Dean), H. N. Fowler, and F. P. Whitman. Persons desiring to do graduate work are invited to confer or correspond with any member of this committee.

Applications for admission as graduate students may be received at any time, but should be presented, if possible, at least a month before the beginning of the academic year. This is advisable because books and apparatus for special work must often be imported from Europe. All such applications should be made to the Dean of the Graduate Faculty, and should be accompanied, except in the case of graduates of this university, by diplomas or such other official certificates as will satisfy the Executive Committee as to the student's character and attainments. Applicants admitted as students must then register with the Dean and file statements of the courses of study they intend to pursue, indicating also the degrees, if any, for which they wish to be candidates. Eligible students who do not wish to apply for higher degrees may be admitted and registered as resident graduates.

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FACULTY AND INSTRUCTORS.

Arranged, with the exception of the President and Dean, in the order of college graduation.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

ROBERT WALLER DEERING, PH. D., *Dean*, (Absent for the year).
Professor of Germanic Languages and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Professor of Latin.

CHARLES HARRIS, PH. D , 15 Adelbert Hall.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Professor of Philosophy.

HAROLD NORTH FOWLER, PH. D., 49 Cornell St.
Professor of Greek.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.
Oviatt Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek.

HERBERT AUSTIN AIKINS, PH. D., 40 Cornell St.
Professor of Philosophy.

JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.
Professor of History.

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ANNA HELENE PALMIÉ, PH. B., 2733 Euclid Av.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Associate Professor of Romance Languages.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Associate Professor of Church History and Instructor in Historical Bibliography.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., 844 Logan Av.
Assistant Professor of German.

CHARLES EDWIN CLEMENS, 1093 Prospect St.
Instructor in the History and Theory of Music.

JOHN DICKERMAN, A. B., 852 Doan St.
Instructor in Mathematics.

WALTER TAYLOR MARVIN, PH. D., 36 Knox St.
Instructor in Philosophy.

THOMAS EDWARD OLIVER, PH. D., 10 Adelbert Hall.
Assistant Professor of Romance Languages.

ALLYN ABBOTT YOUNG, PH. D., 46 Knox St.
Instructor in Economics.

CARL BYRON JAMES, B. S., 896 Hough Av.
Instructor in Biology.

CLARENCE DIMICK STEVENS, A. M., 23 Adelbert Hall.
Instructor in English.

ROBERT HERNDON FIFE, JR., PH. D., 91 Mayfield St.
Instructor in German.

HOWELL MERRIMAN HAYDN, A. B., 252 Sibley St.
Instructor in Biblical Literature.

FRITZ REICHMANN, PH. D., 95 Mayfield St.
Instructor in Physics.

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STUDENTS.

Wilfred Henry Alburn, *Kyle's Corners* Eldred Hall.
A. B., Adelbert College of Western Reserve University, 1902. 1 year. English, History, Italian.

Isabella Beaton, *Cleveland* 462 Kinsman St.
Ph. B., College for Women, Western Reserve University, 1902. 1 year. Germanics, Italian, History, Physics.

Arabella Swift Canfield, *Cleveland* 631 Franklin Av.
Ph. B., College for Women, Western Reserve University, 1902. 1 year. Education, History.

Bessie Mildred Chandler, *Cleveland* 894 Case Av.
Ph. B., College for Women, Western Reserve University, 1902. 1 year. Biology, Chemistry, History, Philosophy.

Frank Brown Evarts, *Cleveland* 99 Bellflower Av.
A. B., Adelbert College of Western Reserve University, 1902. 1 year. History, Italian.

John Fish, *Cleveland* 224 Streator Av.
Ph. B., Adelbert College of Western Reserve University, 1902. 1 year. History, Economics, Anthropology.

Francis Florian Herr, *Cleveland* 1276 Scranton Av.
Ph. B., Adelbert College of Western Reserve University, 1901. 2 year. English, History, Psychology.

Archer Butler Hulbert, *Rome, O.*
A. B., Marietta College, 1895. 1 year. History.

Rebecca Seville Markowitz, *Cleveland* 21 Vine St.
Ph. B., College for Women, Western Reserve University, 1902. 1 year. Education, Chemistry, History.

Ida Catherine Messer, *Cleveland* 244 Becker Av.
B. L., College for Women, Western Reserve University, 1900. 8 year. French.

Herbert Gans Muckley, *Cleveland* 148 Hawthorne Av.
A. B., Adelbert College of Western Reserve University, 1902. 1 year. Physics, Mathematics, Chemistry, History.

Emma Jean Oram, *Cleveland* 1692 Superior St.
A. B., Woman's College, Baltimore, 1897. 1 year. History, English, Anthropology.

Ethel Stirling Osgood, *Cleveland* 46 Nantucket St.
A. B., Mount Holyoke, 1901. 1 year. English.

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Charles Thomas Paul, *Hiram* Hiram College, Hiram.
A. B., Hiram College, 1901. 1 year. Spanish, French, Philosophy.

Paul Hermann Phillipson, *Cleveland* Cor. Willson and Woodland Avs.
Diploma, National Deutsches Lehrerseminar, 1897; A. M., Western Reserve University, 1901. 3 year. French, German.

Edward Henry Sensel, *Cleveland* 124 Putnam St.
A. B., Adelbert College of Western Reserve University, 1902. 1 year. History, Education.

Albert Clarence Streich, *Cleveland* 2 Hodgson St.
A. B., Otterbein University, 1893. 2 year. English.

Jessie Martha Turney, *Painesville* 219 N. St. Clair St., Painesville.
B. L., College for Women, Western Reserve University, 1899. 1 year. English.

George Ransom Twiss, *Cleveland* 56 Mayfield St.
B. S., Ohio State University, 1885. 2 year. Physics.

Julia Elizabeth Zimmerman, *Cleveland* 1355 Detroit St.
A. B., Vassar College, 1902. 1 year. History, Education.

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COURSES OF GRADUATE INSTRUCTION.

Courses marked with an asterisk (*) are undergraduate elective courses, but are open to graduate students, with the consent of the instructor and the approval of the Faculty. In such cases graduate students are expected to do extra work under the direction of the instructor. Hours for graduate work will be arranged to suit the convenience of instructor and student.

BIBLICAL LANGUAGES AND LITERATURE.

MR. HOWELL M. HAYDN.

1, 2. *Hebrew Grammar and Reading. An Introductory course. Harper's Elements of Hebrew will be used, with the Old Testament text. Throughout the year.

3. New Testament Greek. Grammar and reading, with especial attention to the development of the New Testament vocabulary. First half-year.

4. New Testament Exegesis. The critical analysis of selected passages or books. Given in Seminar if desired. Second half-year.

BIOLOGY.

PROFESSOR HERRICK.

MR. JAMES.

2. *Zoölogy. Comparative Anatomy of Invertebrates. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. *Zoölogy. Comparative Anatomy of Vertebrates. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

5. Zoölogy. Research in Animal Morphology. The assignment of special problems for investigation, with individual instruction and supervision. Laboratory work throughout the year.

6. Physiology. Elements of the physiology of man and lower animals. Three exercises consisting of lectures, recitations and demonstrations of one hour each. First half-year.

7. *Elements of Vertebrate Embryology. A practical study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

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9. ANIMAL BEHAVIOR. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. First half-year.

10. BOTANY. An introduction to the study of plants. Instruction is given by lectures, laboratory and field exercises. Second half-year.

11. BIOLOGICAL READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly, from December to May, at times most convenient to all.

The laboratory fees for the different courses are: Course 2, 3, 7, or 10, $5.00; course 5, $5.00 for each half-year.

CHEMISTRY.

PROFESSOR MORLEY.
ASSOCIATE PROFESSOR GRUENER.
ASSISTANT PROFESSOR TOWER.

1. *ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

2. ORGANIC PREPARATIONS. An equivalent of three laboratory exercises of three hours each, with occasional discussions, for one half-year or the entire year. This course may be taken in conjunction with or as supplementary to course 1.

3. *INORGANIC PREPARATIONS. This course will deal with the preparation of a number of inorganic compounds, making use of methods inapplicable in the elementary courses. Two laboratory exercises and one recitation. First half-year.

4. *ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each. Throughout the year.

5. *PHYSIOLOGICAL CHEMISTRY. Simon's Physiological Chemistry. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. First half-year.

6. *PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year.

Laboratory fees for the several courses are as follows: Course 1 or 3, $5.00; course 2, $10.00; course 4, $6.00; courses 5 or 6, $3.00.

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ECONOMICS.

DR. YOUNG.

1. STATISTICS. Theory and method. General survey of the field of economic and social statistics, and the study of important statistical documents, with special attention to the United States census. First half-year.

2. ECONOMIC THEORY. An historical and critical study of the principal theories of value and distribution. Second half-year.

3. *MONEY AND BANKING. The theory of money, the monetary history of the United States, and the principal banking systems of the world. First half-year.

4. *PUBLIC FINANCE. A study of public revenues and expenditures, with special attention to the problems of state and local taxation. Second half-year.

5. *ECONOMIC PROBLEMS. A brief treatment of socialism is followed by the discussion of labor problems. First half-year.

6. *MODERN INDUSTRY. This course deals with the social economy of the present. The growth of corporations, the functions of speculation, and the problems of railway transportation are among the subjects discussed. Second half-year.

7. HISTORY OF POLITICAL THOUGHT. The development of political philosophy, with special reference to the theory of the state. First half-year.

8. *HISTORICAL POLITICS. The development of political institutions, with special reference to the ancient city, the Athenian democracy, the Roman republic and empire, the feudal system, the origin and rise of representative government, etc. First half-year. Alternates with course 7.

9. *COMPARATIVE POLITICS. A comparison of the political institutions of five modern states, viz., the United States, Great Britain, the German Empire, the French Republic, and Switzerland. Second half-year.

10. ECONOMIC CONFERENCE. Bi-weekly meetings for the consideration of present-day problems and the discussion of current economic literature.

EDUCATION AND TEACHING.

PROFESSOR AIKINS.

DR. MARVIN.

1. HISTORY OF EDUCATION. An historical study of educational theories and practices, with special reference to their relations to

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the history of philosophy and the history of morals. The course will include a large amount of outside reading. Second half-year.

2. PSYCHOLOGY IN EDUCATION. The course is intended to cover about the following ground. Animals and children: how to study them and what we learn from them. Individual differences: the mental life and education of the blind, the deaf and other defectives. Laws of mental and physical growth. Rhythm, fatigue, and other general relations of mind and body, the training and the breakdown of various mental faculties. Special educational devices and their psychological basis. Second half-year.

3. PRINCIPLES OF EDUCATION. The meaning and aim of education, and the various problems of education itself, such as those of curriculum and method. Second half-year.

Only two of the above courses are likely to be given in the same half-year. For further courses, see Philosophy.

ENGLISH.

PROFESSOR EMERSON (1-5).
PROFESSOR HULME (6-11).
MR. STEVENS (12-13).

1. RHETORICAL THEORY. An historical and critical study of rhetorical theory with reference to Greek, Roman, mediæval, and English rhetoricians. Lectures and recitations. A course for those who expect to teach English. Throughout the year.

2. OLD ENGLISH. Lectures on historical and descriptive grammar, with readings from Old English prose and poetry. Special attention to the development of the language. First half-year.

3. MIDDLE ENGLISH. Lectures on Middle English language and literature, with critical reading of selections from prose and poetry. Further development of the language. Second half-year.

4. CYNEWULF AND HIS SCHOOL. The acknowledged poems of Cynewulf will be critically read and examined. This will be followed by a careful reading of the works believed to have been written by Cynewulf, or by those influenced by him. First half-year.

5. THE MIDDLE ENGLISH POETICAL ROMANCE. The sources of the poetical romance of Middle English times and its development on English soil. Lectures and readings. Second half-year.

6. *THE ENGLISH NOVEL. The historical development of the English novel. Lectures and recitations. Manual: Cross's development of the English novel. 1902-3. First half-year.

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7. The Non-Dramatic Poetry of the Sixteenth and Early Seventeenth Centuries. This course will include special study of Spencer and Milton, with lectures, select reading and papers. First half-year. 1903-4.

8. English Literary Criticism. Lectures on the development of English literary criticism from the sixteenth century to the present time. Selections from the critical essays of Dryden, Addison and Steele, Johnson, Coleridge, Lamb, DeQuincey, Leigh Hunt, Hazlitt, Christopher North, Landor, Carlyle, Macaulay, Matthew Arnold and others. Original papers. First half-year. 1903-4.

9. *English Poetry, 1830-1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, with some attention to other poets of the period. Lectures, reports, and class-room discussions. A considerable amount of reading will be required, and a much larger amount recommended. First half-year, 1902-3.

10. *English Prose, 1830-1880. Carlyle, Ruskin, Macaulay, Emerson, Matthew Arnold, George Eliot, Hawthorne, Thackeray, with some attention to other prose writers. The course will be conducted by much the same method as course 13. Second half-year, 1902-3.

11. *Shakespeare and the Jacobean Drama. All of Shakespeare's plays, and some of the best Jacobean plays will be read, and a course of lectures will be given discussing the development of Shakespeare's art from a historical point of view. Second half-year, 1903-4.

12. Beginnings of Elizabethan Literature. A course of lectures dealing with the prominent literary genres of the period, with especial attention to Italian influence. The early history of the sonnet, pastoral, romance, novel, drama, and criticism will be carefully studied, and opportunity given for individual research. Throughout the year.

13. Lyric Poetry in the Middle Ages and the Renaissance. This course will deal with the origin and development of poetic themes and lyric forms in the chief continental literatures from the close of the classical period to the end of the Renaissance. Lectures and private reading. Students should have a reading knowledge of French or German. Throughout the year.

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GERMANIC LANGUAGES.

PROFESSOR DEERING (Absent for the year, 1-7).

PROFESSOR HARRIS (8-9).

ASSISTANT PROFESSOR MEYER (10-15).

DR. FIFE (16-18).

1. GOTHIC. Introduction to Germanic Philology—aims, means, methods; Gothic Grammar (Braune); Readings from Wulfila's Bible; Skeireins and other Fragments; Germanic Phonology. First half-year. 1903-1904. *Or,*

2. OLD GERMAN LITERATURE. Critical study of the history of the older German literature from the beginning to the Reformation. Lectures and parallel readings. First half-year.

3. OLD GERMAN LIFE. A study of Old German life, customs, culture, and institutions, using for reference the texts of Schultz, Scherr, Hirth, Freytag, Biedermann, etc. Special reports on assigned topics. Second half-year, 1903-1904.

4. OLD HIGH GERMAN. Old High German Grammar and Reader (Braune). Readings from Tatian, Notker, Otfrid, Williram. Special study of Old High German dialects, with illustrative readings. Second half-year.

5. GERMANIC MYTHOLOGY AND LEGENDS. Study of Germanic Mythologie und Heldensage. Lectures and reports. Second half-year.

6. *FAUST. Lectures on the development of the Faust legend, with parallel readings from the most important Faust literature; critical study of Goethe's Faust. First half-year.

7. MIDDLE HIGH GERMAN. Grammar (Paul). Selections from the Nibelungen, Gudrun, Walther, Wolfram, Hartmann, Gottfried. Throughout the year.

8. *HISTORY OF GERMAN LITERATURE. Outline history of German literature from the earliest times to the present; Development of Lyric, Epic, Drama; Illustrative parallel readings. Throughout the year.

9. *MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc. Throughout the year.

10. THE OLDEST GERMANIC POETRY. Rapid reading and compari-

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son of Beowulf, Widsith, the Eddas and Volsunga Saga, the Hildebrandslied and Muspilli. First half-year.

11. THE GERMANIC RELIGIOUS EPICS. Comparative study of Cædmon, Otfrid, and the Heliand. Second half-year.

12. THE COURT EPIC. Reading of Wolfram's Parzival with lectures on Heinrich von Veldeke, Hartmann von Aue, Wolfram von Eschenbach, and Gottfried von Strassburg. First half-year, 1902-1903.

13. THE POPULAR EPIC. Reading of the Nibelungenlied and Gudrun, with lectures on the six saga-cycles (Franconian, Burgundian, Hunnish, Ostrogothic, Lombardic, and Norman-Saxon). Second half-year, 1902-1903.

14. GRILLPARZER. Study of Sappho, Des Meeres und der Liebe Wellen, Wehe dem der Lügt (in part), Das Goldene Vliesz (in part), and die Jüdin von Toledo with lectures on the relation of Grillparzer's art to that of Shakespeare, Lope de Vega, Alfieri, Goethe, and Schiller. Second half-year.

15. THE GERMAN SOCIAL DRAMA OF TODAY. In its relation to that of the French, Belgian, Norse and English. Reading of Sudermann and Hauptmann, the younger Dumas and Sardou, Mæterlinck, Björnson and Ibsen, Jones and Pinero. Second half-year.

16. OLD ICELANDIC. Elementary Course. Study of phonology and forms, followed by the reading of easy prose selections. First half-year.

17. HISTORY OF EARLY SCANDINAVIAN LITERATURE. Outline of lectures, with cursory readings from the sagas, and more intensive study of selections from the elder Edda. Second half-year.

18. OLD SAXON. Descriptive grammar, accompanied by readings from the Heliand and Genesis. Second half-year.

Courses 16 and 18 are intended also to be of value to students of English Philology.

GREEK.

PROFESSOR FULLER (1-2).

PROFESSOR FOWLER (3, 4).

1. *ATHENIAN DRAMA. Selected dramas of Euripides, Sophocles, and Æschylus. This course will aim to promote a careful comparison of the methods and spirit of the three great tragedians. Some of the more unusual idioms and the more prominent questions of text-criticism will be discussed. First half-year.

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2. *PHILOSOPHY. Fragments of the pre-Socratic philosophers (Diogenes Laertius, de Vitis, Dogmatibus et Apophthegmatis Philosophorum; Ritter et Preller, Historia Philosophiæ Græcæ), and selections from Plato and Aristotle. First half-year.

3. *ARCHAEOLOGY. Extracts from the description of Olympia in Pausanias will be read and discussed, with full illustration from the great excavations, and a topical study of architecture and sculpture will be pursued. The object of this course is to acquaint the student with the great monuments of art, and to stimulate the faculty of independent observation and criticism. Second half-year.

4. *HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, the Historicorum Græcorum Fragmenta, and other sources of Greek history. Second half-year.

These courses may be taken as minors only when they are being given to an undergraduate elective class. Special graduate courses adapted to the needs and acquirements of the applicant may be arranged by conference.

HISTORY.

PROFESSOR BOURNE (1-3).

PROFESSOR PERRIN (4-11).

ASSOCIATE PROFESSOR SEVERANCE (12-18).

1. MODERN EUROPEAN HISTORY SINCE 1789. The French Revolution as a social and political movement, the Empire, the growth of the national movements in Germany and Italy, industrial and social changes, the development of the democratic spirit, will be the subjects chiefly investigated. Throughout the year; or, 3 and 4.

2. EUROPEAN DISCOVERY AND COLONIZATION. This course will begin with a review of the progress of geographical knowledge, and will include an investigation of the discoveries of the fifteenth and sixteenth centuries, of their effects upon Europe and of the origin and various phases of the colonial system. First half-year.

3. HISTORY OF FRANCE, from the end of the Middle Ages. The growth of the old régime in all its aspects, political, religious and economic. Second half-year.

4. *AMERICAN COLONIAL HISTORY. The history of the Colonies to the close of the Revolutionary War. The founding of the Colonies, their institutions and political life. The struggle with France and the revolt from the mother country. Special topics are assigned for investigation and class discussion. First half-year.

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5. *Outlines of the Political and Constitutional History of the United States, 1781-1860. Lectures with required readings in von Holst, Schouler, McMasters, Rhodes, and other standard authorities; the more important documents in McDonald's Select Documents are read and discussed. Second half-year.

6. The United States, 1781-1829. The Government under the Articles of Confederation. The formation of the Constitution, a study of the debates in the convention of 1787, and the ratification of the Constitution by the States. The organization of the National Government and the development of the Constitution and our political history to Jackson's administration. First half-year.

7. *The United States, 1860-1885. Lectures and reports upon topics assigned for investigation. Second half-year.

8. American Politics. A study of the government of the United States, both national and state, based upon Cooley's Principles of Constitutional Law and Bryce's American Commonwealth. Second half-year.

9. *Political and Constitutional History of England from the Accession of the Tudors. Lectures and prescribed readings in standard authorities; the more important constitutional documents are discussed. First half-year.

10. The Stuart Regime, 1603-1714. Especial attention given to constitutional questions. The more important documents of Gardiner's Constitutional Documents of the Puritan Revolution are read and discussed. Second half-year.—*Or,*

11. The Political and Constitutional History of England since 1815.

12. *Church History of the First Six Centuries. Especial attention will be devoted to the Patristic Literature and to the Doctrinal Controversies that rent the Church. First half-year (1903-4).

13. *Church History of the Middle Ages. The external history of the Papacy will be traced, and emphasis will be laid on the organization and administration of the Church and of the monastic bodies and on the scholastic philosophy. Second half-year (1903-4).

14. *Modern Church History. The period of Confessional Orthodoxy, Methodism, the Missionary Movement, and the Vatican Council are amongst the topics discussed. Second half-year (1903-4).

15. *Life in the Middle Ages. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photo-

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graphs and prints taken from mediæval manuscripts. First half-year (1902-3).

16. *The Beliefs and Superstitions of the Middle Ages. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. Second half-year (1902-3).

17. *Special Topics in Mediaeval History. This course will be conducted according to the principles of the seminary method, and aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1902-3 will be either the Vita Heinrici IV. Imperatoris, or The Crusades. First half-year (1903-4).

18. *Historical and General Bibliography. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work. Second half-year (1902-3).

LATIN.

PROFESSOR PLATNER (1).

PROFESSOR PERKINS (2-6).

1. The Elective Courses in Latin in Adelbert College are open to graduate students.

2. *Roman Satire. (a) Lectures on the beginnings of satire, the history of its development, and its influence on later writers. (b) A course of reading in Lucilius, Horace, Persius, Juvenal, and Martial. First half-year.

3. Roman Lyric and Elegiac Poetry. A course of reading covering the chief works in each of these divisions. First half-year.

4. Latin Prose Composition. An advanced course, adapted to the acquirements and needs of the class. Second half-year.

5. History of Latin Literature. Lectures, with reading of typical selections, and direction of the student's private reading. Throughout the year.

6. Cicero's Letters. Lectures on the history of the period. Students will do critical work on various points in this correspondence and present reports. Second half-year.

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MATHEMATICS.

PROFESSOR SMITH (1).
PROFESSOR PALMIE (2-6).
MR. DICKERMAN (1).

1. The elective courses in Mathematics in Adelbert College are open to graduate students.

2. HIGHER PLANE CURVES. General properties of algebraic curves; multiple points and tangents; poles and polars; envelopes, reciprocal curves, tact-invariant of two curves; caustics, parallel curves and negative pedals; metrical properties. Salmon's Higher Plane Curves. First half-year.

3. THEORY OF FUNCTIONS. General Theory of Functions. Second half-year.

4. DIFFERENTIAL EQUATIONS. Equations of the First Order; linear equations with constant coefficients; miscellaneous methods; Legendre's Equation; Bessel's Equation; Forsythe's Differential Equations. First half-year.

5. *PROJECTIVE GEOMETRY. Lectures on parallel projections; perspective; homology; vanishing points and lines; projective figures; cross ratios; harmonic ratios; projective ranges and pencils; conic involution; conjugate points and lines; reciprocal figures; centers and diameters; foci and directrices. Second half-year.

6. THEORY OF SUBSTITUTIONS. General Theory of Substitutions with applications to the solution of cubic and biquadratic equations. First half-year.

MUSIC.

MR. CLEMENS.

(Special arrangements must be made for work in this department.)

1. *HISTORY OF MUSIC. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical development and relations of the different periods may be more clearly understood. First half-year.

2. *A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and

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Bach. Substantially the same methods will be followed as in the work of the preceding course. Second half-year.

Those desiring to elect the course in the second term only must possess an adequate knowledge of this subject.

3, 4. *HARMONY AND COUNTERPOINT. Throughout the year.

PHILOSOPHY.

PROFESSOR CURTIS.

PROFESSOR AIKINS (10-13).

DR. MARVIN.

1. GREEK PHILOSOPHY AND ITS RELATION TO THE RISE OF CHRISTIANITY. A review of the rise and trend of philosophic thought among the Greeks and Romans from about 600 B. C. to 500 A. D. The main points kept in view are: (a) how the early philosophers treated the problems of life and mind, and (b) how their treatment of these problems is related to the rise and development of Christian Doctrine. The works of Zeller, Marshall, Grote, Jowett, Ueberweg, Heinze, Ritter, Harnack, and Hatch are among the references. First half-year.

2. BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations, and private readings. The purpose of this course is to acquaint the student with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treatise of Human Nature. The course will bring forward the main problems of Modern Philosophy. Such features as are specially prominent today will be indicated and outlined. Among the general reviews of this period mention may be made of Morris' British Thought and Thinkers, Fraser's Selections from Berkeley, and Grimm's Zur Geschichte des Erkenntnisproblems von Bacon bis Hume. First half-year.

3. THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Selections from the following parts of his work are thus examined: First Principles, The Principles of Biology, The Principles of Psychology, and The Principles of Sociology. Lectures will be given with the aim of showing the historical development and present condition of evolutional thought. Digests and critical essays will be required for the

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purpose of bringing into prominence the main questions of Cosmology. The more important handbooks for this study are Spencer's First Principles, and Collins' An Epitome of the Synthetic Philosophy. Second half-year.—*Or.*

4. THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Critique of Pure Reason will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysic of Morality, the Critique of Practical Reason, and the Critique of Judgment. For this course some knowledge of German is advantageous. Second half-year.

5. *INTRODUCTION TO PHILOSOPHY. This course is designed as a systematic review of the content of Philosophy. It will probably be given in the form of lectures by the instructor and reports on assigned topics by the students. Ladd's Philosophy of Mind, and Introduction to Philosophy; Royce's Spirit of Modern Philosophy; Paulsen's Introduction to Philosophy; Mill's Examination of Hamilton and Külpe's Einleitung in die Philosophie are among the books of reference. Second half-year.

6. ADVANCED ETHICS. Presupposes the undergraduate work in Psychology, Logic, Ethics and Introduction to Philosophy. The work is conducted by seminary methods in abstracts and discussions. Throughout the year.

7. SOCIOLOGY IN THE LIGHT OF ANTHROPOLOGY. The main problems and bearings of anthropology will be discussed in systematic order and their sociological import noted in such works as those of Morgan, Brinton, Quatrefages, Taylor, Pritchard, Darwin, Wallace, Ranke and Ratzel. Then a course of lectures will outline a more systematic treatment of Sociology based upon Anthropology, after which certain aspects of the works of Compte, Buckle, Spencer, Schäffle, Lilienfeld, Stein, Ward and Giddings will be discussed. Throughout the year.

8. ADVANCED LOGIC AND LOGICAL METHODS. This course will include a careful study of Sigwart's Logic in connection with other important German and English works on that subject. Throughout the year.

9. METAPHYSICS. The main problems of systematic Metaphysics will be studied in connection with the reading of some recent writings belonging to this part of philosophy. Throughout the year.

10. *ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

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11. *Introduction to Philosophy. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion. Knowledge: what it is and what we can hope to know; idealism, realism and scepticism; the relation of knowledge to faith. Second half-year.

12. *Advanced Psychology. Mainly from the physiological standpoint. Second half-year.

13. History of Philosophy. The course can be made to cover a period or confined to the work of some single philosopher, according to the preparation and interests of the students who elect it. Either half-year.

For other courses, see Education and Teaching.

PHYSICS.

PROFESSOR WHITMAN.

DR. REICHMANN.

1. *Physical Optics. Preston's Light, with lectures and laboratory work. Two hours a week, and one laboratory exercise. First half-year.

2. *Theory of Heat. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Three hours a week. Second half-year.

3. *Electricity and Magnetism. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

4. Physical Experiment. This course involves detailed study, theoretical and experimental, of selected topics in Physics. The amount of time to be given to the work is arranged with each individual student.

5. *Physics Conference. Lectures on selected topics. Reports and discussion on special subjects and on current physical literature by members of the conference. One meeting, weekly.

A knowledge of the elements of the Calculus is necessary for courses 1, 2, 3, and 4.

The laboratory fee for courses 1, 2, 3, and 4 is $4.00 for each half-year.

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ROMANCE LANGUAGES.

ASSOCIATE PROFESSOR BOURLAND (1-2).
ASSISTANT PROFESSOR OLIVER (3-5).

Special work will be arranged for properly qualified graduate students. The following undergraduate courses are also open to graduates:

1. ITALIAN. DANTE'S INFERNO AND VITA NUOVA. Second half-year, 1902-1903.

2. SPANISH. SPANISH LITERATURE. Second half-year, 1903-1904.

3. FRENCH. THE CLASSIC DRAMA. Lectures on the rise and development of the French classic drama, with interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year. 1902-1903.

4. FRENCH. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The decadence of the classic drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Readings from Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year, 1902-1903.

5. FRENCH. MODERN NOVELISTS. Lectures and recitations. The romantic school. First half-year. The realistic school. Second half-year, 1903-1904.

SANSKRIT.

PROFESSOR PLATNER.

1. AN ELEMENTARY COURSE. Designed primarily for those students who intend to become teachers of the classics. The text-books are Whitney's Grammar and Lanman's Reader. Number of exercises variable. Throughout the year.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first-half year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the first Saturday in February. The second half year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the 10th day of June (or after the ninth in years in which February has twenty-nine days). No exercises are held on Thanksgiving day, Washington's birthday ,and Decoration day.

METHODS AND LIBRARY FACILITIES.

Instruction is given by lectures, seminaries, recitations, and conferences with instructors, by specially directed courses of reading or research, by work in laboratories, etc.

The library facilities available are: (1) Hatch Library (about 55,000 books and pamphlets), with a very full periodical list, with good collections, especially in French literature, classical philology, archæology, and history, and unusually well equipped in Germanic philology and literature, including the library (12,000 vols.) of the late Prof. Wilhelm Scherer of the University of Berlin; (2) Library of the College for Women, a small, well selected collection for general work; (3) the Case Library (50,000 vols.) well supplied with periodicals and general literature, and offering excellent facilities for the study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany; (4) the Cleveland Public Library (150,000 vols.), well supplied with Shakesperiana, with modern literature, with works on history, art, education, and archæology.

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DEGREES.

The degrees conferred by the Trustees, on recommendation of the Graduate Faculty, are MASTER OF ARTS and DOCTOR OF PHILOSOPHY. The degree of Master of Arts will be conferred on accepted candidates who shall have pursued successfully, in residence and under the direction of the Faculty, advanced courses of liberal study equal in amount to the work of one collegiate year—ordinarily the equivalent of four courses aggregating twelve hours a week. These courses must be divided among at least three different subjects. Detailed information regarding courses of study may be obtained from the Dean of the Faculty. The degree will also be conferred without residence, upon graduates of the class of 1893 or before, of Adelbert College or the College for Women, provided the candidate sustain satisfactory examination in the courses prescribed, and submit either a thesis on a subject assigned or other sufficient evidence of fitness to receive the degree—such as printed essays.

The degree of Doctor of Philosophy will be conferred only on persons who have previously received a Bachelor's degree either from this or from some other university or college of good standing. The candidate must have pursued courses of advanced study, mainly of university as distinguished from college grade. He must have shown special ability in one branch of study (major) and high attainments in two other branches (minors), as determined by written or oral examinations or both. The candidate must have submitted to the Graduate Faculty a thesis, which shall be accepted as evincing powers of research and independent investigation. After its acceptance he must deposit at least fifty copies of his thesis, printed either in full or in abstract as may be required, with the Dean of the Graduate Faculty. The degree will be granted to no one who does not possess a good reading knowledge of French and German and,

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unless specially excused, of Latin. The degree is not given merely for faithful study of courses taken or text-books assigned, but as evidence of special ability in some chosen field; hence no definite term of study can be specified. Ordinarily at least two years are necessary and often a longer time is advisable. Part of this time may be spent in advanced study at some other institution of high standing in this country or abroad; the last year, at least, must be spent in residence here.

In cases where the undergraduate courses already taken are not equivalent to those given in this university, or where, for any reason, previous preparation is inadequate, students must do additional undergraduate work or prolong the term of graduate study, as may be required, before receiving higher degrees.

EXPENSES.

The regular fee for instruction for each graduate student is eighty-five dollars a year. This does not include special laboratory fees, for which students may apply to the instructors concerned.

A limited number of scholarships has been established and will be awarded upon presentation of satisfactory evidence of scholarly ability. The recipients of these scholarships may be called upon to render service to the university.

THE FRANCIS G. BUTLER FUND.

The Francis G. Butler Publication Fund is available to graduate students for the publication of the results of original research in the field of American history.

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THE MEDICAL COLLEGE.

GENERAL STATEMENT.

THE Medical Department of the Western Reserve University was organized, in 1843, as the Cleveland Medical College, a branch of Western Reserve College. The first Faculty contained the names of Drs. John Delemater, Jared P. Kirtland, Noah Worcester, Horace A. Ackley, John Lang Cassels, and Samuel St. John, names widely known in medicine. The first class graduated in 1844. The requirements for graduation were three years study of medicine, including two terms of attendance on medical lectures, each term extending over a period of sixteen weeks, together "with good moral character." The old college building was erected in 1844, on the present site, at the corner of St. Clair and Erie Streets. This ground has since been continuously occupied for medical college purposes. The length of the course remained sixteen weeks until 1868, when it was increased to seventeen weeks. In 1871 the course was increased to twenty weeks. In 1875 the old Cleveland City Hospital, with its fifty-nine beds, the predecessor of the Lakeside Hospital, was first utilized for clinical purposes. In 1878 the length of the course became twenty-four weeks. In 1881 Charity Hospital, with about seventy-five beds, together with its Maternity Department, was added as a clinical field. In 1887 the present commodious college building was first occupied; in the same year a preliminary examination was for the first time instituted. In 1888 the length of the course was increased to six months, and the number of the required courses to three. In the

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same year laboratory work in Chemistry and Pathology was made obligatory. An optional four-year course was adopted in 1895, and was made obligatory in the following year. In 1895 the length of the course was increased to eight months; at the same time practical work in the laboratories of Histology, Bacteriology and Physiology, was added as a part of the required work. In 1896 the right to use the present City Hospital for clinical purposes during four months in the year was acquired. In January, 1898, the new Lakeside Hospital was formally occupied, and the new chemical laboratory was erected. At the same time laboratory instruction in Pharmacology was added as one of the required courses of the curriculum. In 1900 the new laboratory of Clinical Microscopy and Clinical Medicine was erected, and in 1901 it was fully equipped. In 1901, by unanimous recommendation of the Medical Faculty and by vote of the Trustees, the requirements for admission to the first year of the Medical College were increased to include the work of the Junior year in an academic institution of recognized collegiate rank. The rapid development of the curriculum in this school in these late years has been possible only through the generous financial assistance of its many friends, to whom the Medical Faculty thus desires to make public acknowledgment. The graduates of the Medical College now number two thousand, two hundred and fifty-eight.

The course of study for the degree of Doctor of Medicine is now of four years duration. The school year or session begins on the first of October, unless this falls on Sunday, in which case it begins on the second, and continues eight months. Theoretical and applied branches of study are graded, and arranged with reference to their bearing upon and preparation for each other, and the effect of the whole course. Instruction is given by lectures, recitations, quizzes, laboratory work, clinical demonstrations, clinical conferences and practical dispensary and bedside work. Endowment

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of the chairs of Anatomy, Histology, Bacteriology, Physiology, Chemistry, Pathology, Pharmacology, and Clinical Microscopy, permits the employment of teachers who devote all of their time to teaching and research in this college. The buildings are modern in plan, construction and equipment, and ample in size for their purposes. In the subjects of Anatomy, Chemistry, Physiology, Histology, Embryology and Comparative Anatomy, Bacteriology, Pathological Anatomy, Pharmacy and Pharmacology, and Clinical Microscopy, laboratory work accompanies the didactic instruction, and is required of every student. In the Senior class every student is required to do practical work in the Dispensaries, at the bedside in the hospitals, and in the obstetrical wards.

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FACULTY.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

JACOB LAISY, A. M., M. D., Syracuse, Neb.
Professor Emeritus of Anatomy.

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.
Professor of Therapeutics.

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.
Professor of Obstetrics and Pediatrics.

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.
Professor of Medicine and Clinical Medicine.

JOHN P. SAWYER, A. M., M. D., 526 Rose Building.
Professor of Medicine and Clinical Medicine.

PERRY L. HOBBS, PH. D. (Berlin), 1420 Euclid Av.
Professor of Chemistry.

WILLIAM T. CORLETT, M. D., L. R. C. P. (London), 553 Euclid Av.
Professor of Dermatology and Syphilology.

HENRY S. UPSON, A. B., M. D., New England Building.
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Professor of Hygiene and Preventive Medicine,
Registrar and Bursar.

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Professor of the Theory and Practice of Surgery and Clinical Surgery.

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Professor of Ophthalmology,
Dean and Executive Officer of the Faculty.

CARL A. HAMANN, M. D., 661 Prospect St.
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GEORGE N. STEWART, M. A., D. Sc., M. D., (Edin.), D. P. H. (Camb.),
Professor of Physiology. The Medical College.

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The Leonard Hanna Lecturer on Clinical Microscopy.

ROGER G. PERKINS, A. B., M. D., Colonial Flats, Russell & Euclid.
Lecturer on Bacteriology and Assistant in Pathology.

DEMONSTRATORS.

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THOS. J. TAYLOR, M. D., 2153 Superior St.
Clerk of Medical College.

ANDREW FLOWER, Erie and St. Clair Sts.
Prosector and Curator Anatomical Rooms.

MRS. FLOWER, Erie and St. Clair Sts.
Janitress.

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STUDENTS.

FOURTH YEAR.

George I. Bauman,	*Cleveland*	1279 Cedar Av.
John Joseph Lincoln Bolden,	*Cleveland*	25 Newton St.
Nathan Worth Brown, B. S.,	*Swatow, China*,	Suite 41, The Cary.
Webb Parks Chamberlain, A. B.,	*Cleveland*	24 Commodore St.
Carl Cherdron,	*Cleveland*	110 Erie St.
Frederick Edwards Dilley,	*Cleveland*	606 Euclid Av.
Ralph Woodbury Elliott, Ph. B.,	*Cleveland*	855 Stark Av.
Henry John Gerstenberger,	*Cleveland*	113 Linden St.
Homer Harvey Heath, B. L.,	*White House*	Suite 41, The Cary.
Walter Centennial Hill,	*Berlin Heights*	24 Commodore St.
Alfred Alexander Jenkins,	*Cleveland*	91 White Av.
Henry Creath Kelker,	*Kelker*	28 Cheshire St.
Wade Allison Lewis,	*Galion*	28 Cheshire St.
George Washington Magargee,	*Pardoe, Pa.*	12 Wycombe Pl.
Fred Kern McCune, B. S.,	*Buena Vista, Pa.*	24 Commodore St.
Sidney Morrill McCurdy,	*Andover, Mass.*	168 N. Perry St.
John Francis Rudolph, A. B.,	*Cleveland*	68 Mansion St.
William Edward Sampliner,	*Cleveland*	1103 Case Av.
Fred M. Sayle,	*Cleveland*	1499 Cedar Av.
Edward Jacob Scanlon,	*Cleveland*	850 Woodland Av.
George Wanzer Shepard,	*Mantua Station*	Lakeside Hospital.
Oscar Merle Shirey,	*Loveland, Col.*	171 Dodge St.
John Albro Sipher, A. B.,	*Medina*	Suite 41, The Carey.
Charles Edward Spring,	*Elyria*	739 Superior St.
Chauncey Calvin Stewart,	*Poland*	12 Wycombe Pl.
John Ross Stewart,	*Rochester, N. Y.*	Suite 4, Sagamore.
Charles Wesley Thomas, A. B.,	*Cleveland*	1394 Woodland Hills Av.
Harry David Vail,	*Cleveland*	190 Helen St.
John Allen Vincent,	*Cleveland*	777 Superior St.
Carl Richard Wedler,	*Cleveland*	160 Colfax St.
William Hervey White,	*Chandlersville*	24 Commodore St.
Irvin Samuel Workman, B. S.,	*Danville*	134 Sibley St.
Thomas Charles Young,	*Cleveland*	1372 Woodland Hills Av.

FOURTH YEAR, 33.

THIRD YEAR.

Samuel Sylvester Berger,	*Cleveland*	1141 St. Clair St.
John Henry Brett,	*Cleveland*	34 Ocean St.
Shepard Burroughs,	*Northfield*	524 Euclid Av.
Albert Emmons Connell,	*Cleveland*	16 Dunham Pl.
John Buchanan Donaldson,	*Lorain*	154 North Perry St.

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Henry George Golden, A. B.,	*Cleveland*	3425 Euclid Av.
Isadore Jacob Goodman,	*Cleveland*	264 Columbus St.
Albert Thomas Grills,	*Elyria*	811 Superior St.
Ardon Philo Hammond,	*Cleveland*	378 Pearl St.
Frank Carlton Hoskins,	*Grand Rapids, Mich.*	900 Fairmount St.
Perry Firestone King, B. S.,	*N. Georgetown*	117 Chestnut St.
Emanuel Koblitz,	*Cleveland*	183 Kennard St.
Carl Henri Lenhart, Ph. B.,	*Wauseon*	Suite 41, The Cary.
Russell Hunter McClure,	*Elyria*	811 Superior St.
Karl Elmer Ochs,	*Kenton*	131 Sayles St.
Nicholas Aloysius O'Connor,	*Cleveland*	224 Starkweather Av.
George Ovando Pay,	*Cleveland*	The Devonshire.
Charles Trumbo Pankhurst,	*Fostoria*	830 Superior St.
David Aloysius Prendergast,	*Cleveland*	61 Burton St.
William Arthur Schlesinger,	*Cleveland*	129 McBride St.
Ralph Henry Sill,	*Millersbnrg*	192 Erie St.
Demba Morton Spicer,	*La Grange*	739 Superior St.
John Alfred Staral,	*Cleveland*	1251 Willson Av.
Harry Minich Tarr,	*Cleveland*	193 Clinton St.
Jesse Eugene Thompson,	*Bristolville*	2 Livingston St.
Bert E. Tyler,	*Cleveland*	51 Daisy Av.
John Henry Wells,	*Glenville*	121 Lonsdale Av.
Leslie Allen Woolf,	*Atwater*	1055 First Av.
Micheal Cyrillus Yeagle, Ph. B.,	*Clyde*	28 Parkwood Av.
Harvey Elmer Yoder,	*North Industry*	131 Sayles St.
Samuel Alexander Young,	*Cleveland*	2370 Crosby St.
William Otto Ziemer,	*Cleveland*	34 Woodbridge St.

THIRD YEAR, 32.

SECOND YEAR.

Charles Jacob Albl,	*Cleveland*	1406 Broadway.
Newton S. Banker, A. B., Ohio Normal University.	*Canton*	739 Superior St.
Arthur M. Cheetham,	*Cleveland*	805 East Madison Av.
Ernest Harper Cox, B. S., Wabash College.	*Cleveland*	513 East Prospect St.
Claude Leroy Difford, A. B., Adelbert College.	*Cleveland*	49 Alum St.
Raymond Lubor Hobart, B. L., Adelbert College.	*Pemberville*	368 St. Clair St.
Norman William Ingalls, B. S., Baldwin University.	*Berea*	
Everton Jay Lawrence, A. B., Williams College.	*Norwalk*	24 Collins Pl.
William Palmer Lucas, A. B., Wooster University.	*Cleveland*	99 Glen Park Pl.

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Adelbert College.
Joseph Charles McFate, A. B., *Cochranton, Pa.* 739 Superior St.
Grove City College.
Edward Peterka, A. B., *Cleveland* 51 Goethe St.
Adelbert College.
J. Douglas Pilcher, Ph. B., *Cleveland* 54 Auburndale Av.
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Fred Jacobs Ritterspach, A. B., *Nevada* 24 Collins Pl.
Wittenberg College.
James Seliskar, *Cleveland* 13 Wageman St.
Shandor Harry Solomonson, B. S., *Cleveland* 1022 Case Av.
Case School of Applied Science.
Oliver Arkenburgh Weber, Ph. B., *Miamisburg* 739 Superior St.
Adelbert College.
Arthur Garfield Wilcox, Ph. B., *Akron* 739 Superior St.
Adelbert College.

SECOND YEAR, 18.

FIRST YEAR.

Francis Patrick Corrigan, *Cleveland* 66 Gorman Av.
Senior, Adelbert College.
Arthur Bradley Eisenbrey, *Cleveland* 153 Cornell St.
Senior, Adelbert College.
Birt Eugene Garver, *Lorain* 127 Murray Hill Av.
Senior, Adelbert College.
John Allen Hofmann, Ph. B., *Cleveland* 161 Putnam St.
Wooster University.
Claude William Pogue, *Ceredo, W. Va.* 85 Blaine St.
West Virginia Institute.
Homer Fordyce Swift, Ph. B., *Beaver Falls, Pa.* 739 Superior St.
Adelbert College.
George Franklin Thomas, *Akron* Adelbert Hall.
Senior, Adelbert College.
Herbert Alfred Thomas, *Lima* 134 Murray Hill Av.
Senior, Adelbert College.
Sidney Burnett Tryon, *Willoughby* Adelbert Hall.
Senior, Adelbert College.
Robert Franklin Wenger, A. B., *New Philadelphia* Lakeside Hosp.
Calvin College.
Henry Klar Yaggi, *Beloit* 314 Dunham Av.
Senior, Mt. Union College.
Homer Alexander Steer, B. S., *Zanesville*
Muskingum College.

FIRST YEAR, 12.

SUMMARY.

Fourth Year	33
Third Year	32
Second Year	18
First Year	12
Total	95

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REQUIREMENTS FOR ADMISSION.

I. Graduates in Arts and Sciences of recognized colleges will be accepted without examination, on presentation of diploma.

II. Students who present certificates from recognized colleges, showing that the work of the Junior year in such colleges has been completed, will be accepted without examination.

III. Students who can not present certificates covering the entire work of the first three years in a recognized college, will be required to pass an examination upon the work in which they may be deficient. These examinations will be conducted by the Faculty of Adelbert College of Western Reserve University.

IV. Students in the Senior class of Adelbert College are permitted to take elective courses in the first year of the Medical College. Such electives, to the extent of nine hours a week, are counted toward the academic degree, so that in this way students may save one year in the combined literary and medical courses.

ADMISSION TO ADVANCED STANDING.

Graduates in Arts or Sciences of recognized colleges who have, during their academic course, devoted to the subjects the number of hours, or have covered the text-books mentioned below or their equivalents, and have passed satisfactory examinations thereon, may be admitted to the second year of the course. But the amount of practical work in such courses must not be less than that required in the corresponding subjects during the first year in this college.

General Biology, 90 hours; Sedgwick and Wilson, or Huxley and Martin. Comparative Anatomy, 75 hours; Kingsley or Wiedersheim. Embryology, 75 hours; Foster and Balfour, Hertwig or Heisler. Human Anatomy, 120 hours. Histology, 200 hours; Böhm and Davidoff's, Schäfer's, Piersol's, Stöhr's, or Clarkson's Histology. Inorganic and Organic Chemistry, 300 hours. Physics, 60 hours; Carhart's University Physics, or Gage's Elements of Physics.

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Graduates in Arts or Sciences who are deficient in Histology or Organic Chemistry may still be permitted to enter the second year on condition of making up the deficiency by private work and passing the examination on these subjects during the year. Students from other medical colleges will be admitted to advanced standing on the production of satisfactory proof that they have completed the required preliminary work and also that comprised in the portion of the curriculum of this college from which exemption is sought.

Graduates in Medicine from other schools, who desire to apply for the degree of Doctor of Medicine in this school, must present satisfactory proof that they have completed the preliminary literary work required of the class to which they seek admission, must take at least the work of the fourth year, and must pass the examinations on all the subjects of this year, and any subjects of other years in which they may be deficient. Graduates in Medicine, or other students who desire to take special courses without graduation, will be admitted without examination. Such special courses will not count in any way for the degree of Doctor of Medicine in this College.

Examination of certificates for admission will take place in the college building on the two week days preceding the opening of the session. Candidates should attend at the college on either of these days, bringing their certificates with them. Diplomas or certificates may also be personally presented to the Registrar during the week preceding the opening, or forwarded to him at any time.

In accordance with the laws of certain states, not including Ohio, all persons desiring to practice medicine in these states are required to have attended, before taking the state examination, four full years at a regular medical college, whether they are graduates of a literary college or not. The attention of candidates for advanced standing is therefore called to this fact.

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COURSES OF STUDY.

Number of Hours Per Week.

FIRST YEAR.

LECTURES AND RECITATIONS.

Anatomy .....4 hours
Chemistry .....3 hours
Histology and Microscopical Anatomy.....1 hour
Comparative Vertebrate Anatomy.....1 hour first half-year
Vertebrate Embryology .....1 hour second half-year

LABORATORY WORK.

Chemistry .....7 hours throughout the year
Bacteriology .....9 hours second half-year
Histology and Microscopical Anatomy.6 hours throughout the year
Comparative Vertebrate Anatomy.....5 hours first half-year
Vertebrate Embryology .....5 hours second half-year
Anatomical demonstrations and dissections throughout the year.

SECOND YEAR.

LECTURES AND RECITATIONS.

Physiology .....4 hours
Anatomy and Applied Anatomy.....4 hours
Pathology .....2 hours
Bandaging and Splints.....2 hours
Pharmacology and Materia Medica.....4 hours after March 1st
Physical Diagnosis .....1 or 2 hours last half-year

LABORATORY EXERCISES.

Physiology .....8 hours
Pathological Histology .....9 hours till March 1st
Demonstration in Gross Pathology.....1 hour
Pharmacology .....4 hours after March 1st

THIRD YEAR.

LECTURES AND RECITATIONS.

Pharmacology .....3 hours
Therapeutics .....3 hours
Obstetrics .....2 hours
Medicine .....3 hours
Surgery .....2 hours
Gynecology .....1 hour
Physical Diagnosis .....2 hours

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DIDACTIC AND CLINICAL LECTURES.

Medicine .....4 hours
Surgery .....6 hours
Nose, Ear and Throat.....1 hour
Dermatology .....1 hour

LABORATORY EXERCISES.

Pharmacology.....4 hours before January 1st
Applied Anatomy .....1 hour
Pathological Demonstrations .....1 hour
Clinical Laboratory .....4 hours

FOURTH YEAR.

Daily work in Dispensary Section, 1 to 3 p. m., Lakeside Hospital. Individual Assignment for ward cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught to Sections in second half-year. Exercises in Obstetric Mannikin taught to Sections. Autopsies and Clinical Pathological material worked up throughout the year. No Sections to be detailed to Hospitals or Dispensaries in hours conflicting with schedule.

GENERAL CLINICS.

Medicine .....4 hours
Surgery .....6 hours
Gynecology .....2 hours
Obstetrics .....As material offers

LECTURES.

Hygiene and Preventive Medicine.....2 hours
Jurisprudence .....1 hour

LECTURES, CLINICAL AND DIDACTIC.

Nervous Diseases .....1 hour
Pediatrics .....1 hour
Ophthalmology .....1 hour

Special clinics in medicine and surgery at St. Alexis or City Hospitals, two sections to half of class, two hours each per week.

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SCHEDULE OF SUBJECTS, DAYS AND HOURS.

FIRST YEAR.

MONDAY—Histology Recitation, 10 to 11 a. m. Anatomy, 11 to 12 a. m. Dissections, 1:30 to 5 p. m., first half-year; second half-year, Bacteriological Laboratory.

TUESDAY—Chemistry, 8 to 9 a. m. Chemical Laboratory, 9 to 12 a. m. Comparative Anatomy and Embryology, 2 to 5 p. m.

WEDNESDAY—Chemistry, 8 to 9 a. m. Histological Laboratory, 9 to 12 a. m. Dissections, or Anatomical Demonstration, 2 to 5 p. m., first half-year; Bacteriology, second half-year.

THURSDAY—Comparative Anatomy and Embryology, Laboratory, 8 to 11 a. m. Anatomy, 11 to 12 a. m. Dissections, 1:30 to 5 p. m.

FRIDAY—Chemistry, 8 to 9 a. m. Histological Laboratory, 9 to 12 a. m. Dissections, 1:30 to 5 p. m., first half-year; second half-year, Bacteriology.

SATURDAY—Chemical Laboratory, 8 to 12 a. m.

SECOND YEAR.

MONDAY—Physiology, 8 to 9 a. m. Pathological Lecture and Laboratory until March 1st; after March 1st, Pharmacology, 10 to 11 a. m.; Pharmacological Laboratory, 11 to 12 a. m. Dissections, 1:30 to 3 p. m. Applied Anatomy, 3 to 4 p. m.

TUESDAY—Physiology, 8 to 9 a. m. Pathology, Lecture and Laboratory, till March 1st; after March 1st, Pharmacology, 10 to 11 a. m.; Pharmacological Laboratory, 11 to 12 a. m. Dissection, 1:30 to 3 p. m. Anatomy, 3 to 4 p. m.

WEDNESDAY—Physiological Laboratory, 8 to 12 a. m. Dissection, first half-year, 1:30 to 3 p. m.; Physical Diagnosis, second half-year, 2 to 3 p. m. Bandaging, 3 to 4 p. m.

THURSDAY—Physiology, 8 to 9 a. m. Pathological Laboratory and Quiz, 9 to 11 a. m., first half-year; Pharmacology, 9 to 10 a. m., second half-year; Laboratory, 10 to 11 a. m. Gross Pathology, Demonstration, 11 to 12 a. m. Dissection, 1:30 to 3 p. m. Applied Anatomy, 3 to 4 p. m.

FRIDAY—Physiology, 8 to 9 a. m. Pathological Lecture and Laboratory, till March 1st, 9 to 12 a. m.; after March 1st, Pharmacology, 9 to 10 a. m.; Pharmacological Laboratory, 10 to 12 a. m. Dissection, 1:30 to 3 p. m. Anatomy, 3 to 4 p. m.

SATURDAY—Physiological Laboratory, 8 a. m. to 12 m.

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THIRD YEAR.

MONDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Pharmacology, 1 to 2 p. m., to January 1st; Pharmacological Laboratory, 1 to 4 p. m.; Pharmacology, after January 1st, lecture, 3 to 4 p. m.; Applied Anatomy, 4 to 5 p. m.

TUESDAY—Medical Clinic, 8:30 to 10 a. m., Lakeside Hospital. Surgical Clinic, 10 to 12 a. m., Lakeside Hospital. Till January 1st, Clinical Surgery, 2 to 3:30 p. m., City Hospital; Physical Diagnosis, 3:30 to 5 p. m., City Hospital. After January 1st, Clinical Laboratory, 2 to 5 p. m.

WEDNESDAY—Medical Recitations, 8 to 9 a. m., Charity Hospital. Medical Clinic, 9 to 10 a. m., Charity Hospital. Surgical Clinic, 10 to 11 a. m., Charity Hospital. Principles of Surgery, 11 to 12 a. m., Charity Hospital. Dermatology, 2 to 3 p. m. Pharmacological Laboratory, 3:15 to 6:15 p. m., to January 1st; Pharmacological Conference, after January 1st, optional.

THURSDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Gross Pathology, Demonstration, 11 to 12 a. m. Clinical Laboratory, 1:30 to 3 p. m., till January 1st. Medicine, 3 to 4 p. m., Lakeside Hospital. Applied Anatomy, 4 to 5 p. m.

FRIDAY—Therapeutics, 8 to 9 a. m. Gynecology, 9 to 10 a. m. Clinical Laboratory, 10 to 12 a. m. Nose, Ear, Throat, 2 to 3 p. m., Lakeside Hospital. Genito-Urinary, 3 to 4 p. m., College Building, till January 1st. Physical Diagnosis, 3 to 4 p. m., Lakeside Hospital, after January 1st. Medicine, 4 to 5 p. m., College Building.

SATURDAY—Medicine, 9:30 to 10:30 a. m., Charity Hospital. Surgical Clinic, 10:30 to 11:30 a. m., Charity Hospital. Principles of Surgery, 11:30 to 12:30 a. m., Charity Hospital. Attendance on Autopsies as specially arranged. Till January 1st (as on Tuesday). After January 1st, sections to Charity Hospital Dispensary.

FOURTH YEAR.

Daily work in Dispensary Section, 1 to 3 p. m., Lakeside Hospital. Individual Assignment for Ward Cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught to Sections in second half-year. Exercises in Obstetric Mannikin taught to Sections. Autopsies and Clinical Pathological material worked up throughout the year. No Sections to be detailed to Hospitals or Dispensaries in hours conflicting with schedule.

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MONDAY—Clinical Laboratory and Ward Cases, 8 to 10 a. m. Obstetrics, 10 to 11 a. m. Dispensary, 1 to 3 p. m. Nervous Diseases, 3 to 4 p. m., Lakeside Hospital; after January 1st, Tuesdays.

TUESDAY—Medical Clinic, 8:30 to 10 a. m., Lakeside Hospital. Surgical Clinic, 10 to 12 a. m., Lakeside Hospital. Dispensary, 1 to 3 p. m. Surgical Diagnosis, 3 to 4 p .m., Lakeside Hospital; after January 1st, on Monday.

WEDNESDAY—Medical Clinic, 9 to 10 a. m., Charity Hospital. Surgical Clinic, 10 to 11 a. m., Charity Hospital. Dispensary, 1 to 2 p. m. Pediatrics, 2 to 3 p. m., Lakeside Hospital. Hygiene and Preventive Medicine, 3 to 4 p. m.

THURSDAY—Clinical Laboratory and Ward Cases, 8 to 10 a. m., by sections. Obstetrics, 10 to 11 a. m. Gynecological Clinic, 11 to 12 a. m.. Lakeside Hospital. Dispensary, 1 to 3 p. m. Medical Clinic, 3 to 4 p. m.

FRIDAY—Jurisprudence, 8 to 9 a. m. Surgical Clinic, 10 to 12 a. m., Lakeside Hospital. Dispensary, 1 to 3 p. m. Ophthalmology, 3 to 4 p. m., Lakeside Hospital. Hygiene and Preventive Medicine, 4 to 5 p. m.

SATURDAY—Gynecological Clinic, 8 to 9:30 a m., Charity Hospital. Medicine, 9:30 to 10:30 a. m., Charity Hospital. Surgical Clinic, 10:30 to 11:30 a. m., Charity Hospital. Dispensary, 1 to 3 p. m. City Hospital Clinics, 2 to 5 p. m., to January 1st.

DISPENSARY SECTIONS.

SECTION.	1	2	3	4	5	6	7
Oct. 6 to Nov. 1,	Eye	Ped.	Med.	N. D.	Surg.	Gyn.	N. E. T.
Nov. 3 to Nov. 29,	N. E. T.	Eye	Ped.	Med.	N. D.	Surg.	Gyn.
Dec. 1 to Jan. 3,	Gyn.	N. E. T.	Eye	Ped.	Med.	N. D.	Surg.
Jan. 5 to Jan. 31,	Surg.	Gyn.	N. E. T.	Eye	Ped.	Med.	N. D.
Feb. 2 to Feb. 28,	N. D.	Surg.	Gyn.	N. E. T.	Eye	Ped.	Med.
Mar. 2 to Mar. 28,	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye	Ped.
Mar. 30 to Apr. 25,	Ped.	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye

After January 1st sections will visit St. Alexis Clinics Tuesdays and Fridays according to special arrangement.

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DEPARTMENTS AND METHODS OF INSTRUCTION.

CHEMISTRY.

PROFESSOR HOBBS.
MR. EVANS.

Chemistry extends throughout the entire first year and consists of three hours of lectures and recitations and eight hours of laboratory work a week.

The course opens with a preliminary review on inorganic Chemistry and qualitative chemical analysis, which covers about two months' time, and the balance of the first half of the year is devoted to lectures on general organic Chemistry, chemical philosophy and quantitative chemical methods and allied subjects. The last half-year is devoted to lectures on special subjects, such as the chemistry of foods, their composition and analysis, animal secretions and especially the urine, both normal and pathological, and the general application of chemical methods in clinical examinations.

The laboratory work during the first half-year consists of a short course of qualitative chemical analysis, then the qualitative examination of the more common articles of food and animal secretions and the study of the various chemical reactions involved; also the preparation of some of the more common organic preparations. The last half of the year is devoted, mostly, to the quantitative chemical methods of analysis. The preparing of standard solutions and the quantitative chemical analysis of many of the food products and animal secretions, both under normal and diseased conditions. The laboratory work is all supplemented by a course of lectures involving full description of the laboratory methods.

Besides the regular course as above outlined, the special laboratory is open at all times for any extra or advanced work. It is completely equipped for any special work and every aid will be given to any who desire to avail themselves of its use.

ANATOMY.

PROFESSOR HAMANN.
DR. TIERNEY.

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations, recitations and quizzes. In order to facilitate the work in osteology, students of the

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first year are provided with separate portions of the skeleton, which they are permitted to take to their rooms for study. Three hours in recitations, and eight hours for dissecting, in suitable periods weekly, are given to anatomy during the first year. Students are required to dissect all parts of the cadaver at least once. For demonstrations upon the cadaver and anatomical preparations the second year class is divided into a number of small sections, whose meetings take the form of anatomical conferences rather than of formal demonstrations. Each individual student thus has an excellent opportunity for becoming familiar with the various parts of the body, and for receiving direct personal instruction. Four hours a week are given to lectures and recitations in the second year and ten hours a week to dissecting. In the third year instruction is given by lectures and recitations in applied anatomy.

HISTOLOGY AND EMBRYOLOGY.

PROFESSOR WAITE.

HISTOLOGY AND MICROSCOPICAL ANATOMY.

The course includes work upon the fundamental mammalian tissues, followed by the study of the finer anatomy of the mammalian organs. The material used is human tissue in large part, supplemented by tissue from other mammals. In the study of the organs the student first becomes acquainted with the macroscopic features in fresh material and then proceeds to the finer anatomy. An essential part of the work is training in the standard methods of technique. Each student stains and mounts over two hundred sections which he later studies, describes and draws. He is required to carry a considerable number of tissues through all the steps of preparation, including removal from the animal, fixation by several methods, hardening, dehydration, infiltration, embedding in celloidin and in paraffin, sectioning, including serial sectioning, staining in toto, in sections and on the slide and mounting. The rapid preparation with the freezing microtome and the special methods for blood examination are used.

The recitations supplement the laboratory work and aim to bring out those points which the student does not see in his sections. One recitation and six hours' laboratory work per week throughout the Freshman year.

COMPARATIVE VERTEBRATE ANATOMY.

The aim of this course is to acquaint the student with the more important characteristics of the classes of vertebrates, and also to

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prepare for the experimental work in physiology. The student dissects, as carefully as the time will allow, representatives of the different classes of vertebrates. The lectures and recitations deal with the modifications of the several systems of organs in the vertebrate series and are supplementary to assigned reading in a standard textbook. One lecture or recitation and five hours laboratory work per week, first half Freshman year.

VERTEBRATE EMBRYOLOGY.

This course endeavors to instruct the student in the fundamental facts of vertebrate development. The laboratory work deals with cleavage and gastrulation, followed by the study of the development of the chick to the end of the fourth day. Certain later steps in the development of the pig are then studied. In the recitations emphasis is laid upon the development of the human embryo. One recitation and five hours laboratory work per week, second half Freshman year.

PHYSIOLOGY.

PROFESSOR STEWART.

DR. CLAUDE, C. GUTHRIE.

The course includes two lectures, illustrated by diagrams and experiments, two conferences or quizzes, and eight hours laboratory work a week for each student throughout the second year.

For the practical work on mammals, which is made a special feature of the course, the class is divided into sections of four men; in experiments on frogs two men work together; in other experiments each man works for himself.

SYNOPSIS OF LABORATORY WORK.

BLOOD. Chemistry; coagulation; spectroscopic examination of hæmoglobin and its derivatives; other tests for blood-pigment; globulicides; enumeration of the colored and white corpuscles and estimation of the hæmoglobin in human blood; specific gravity.

CIRCULATION. Circulation in a frog's web; heart tracings; action of mammalian heart; action of vagus and sympathetic nerves on heart; action of muscarin and atropia on heart; action of valves of heart; cardiographic, sphygmographic and plethysmographic tracings; blood-pressure tracings; effect of stimulation of nerves (vagus, sciatic, depressor), of asphyxia, of supra-renal extract, of albumoses, of the position of the body, and of hæmorrhage and transfusion on the blood-pressure; section and stimulation of the cervical sympathetic; determination of the circulation time.

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RESPIRATION. Respiratory tracings; effect of section and stimulation of nerves (vagi, sciatic, superior laryngeal) on respiration; measurement of heat and carbon dioxide given off in respiration; influence of respiration on the blood-pressure; influence of temperature on the respiratory centre.

DIGESTION AND ABSORPTION. Chemical and physiological properties of saliva, gastric juice, pancreatic juice and bile; effect of stimulation of the chorda tympani on the secretion of saliva; evacuation of stomach by tube or emetic to obtain normal chyme; gastric fistula; examination of fæces, time required for digestion and absorption of various food substances, etc.

URINE. Qualitative examination; quantitative determination of chlorides, phosphates, sulphates, urea, uric acid, total nitrogen, proteids, sugar.

METABOLISM. Glycogen; experimental glycosuria, including phlorhidzs in diabetes; variations in amount of urea with quantity of proteids in food: thyroidectomy.

MUSCLE AND NERVE. The various kinds of stimuli; the curve of muscular contraction; action of curare, veratria and supra-renal extract on the muscle-curve; influence of temperature, load and fatigue on the muscle-curve; seat of exhaustion in fatigue; superposition of stimuli; genesis of tetanus; velocity of the nerve impulse; chemistry of muscle.

ELECTROPHYSIOLOGY. Galvani's experiment; contraction without metals; secondary contraction; demarcation current and current of action; electrotonus; Pfluger's formula of contraction; Ritter's tetanus; positive and negative polarisation.

CENTRAL NERVOUS SYSTEM. Section and stimulation of nerve-roots; reflex action; action of strychnia; excision of cerebral hemispheres (in frog); stimulation of motor areas.

SPECIAL SENSES. Formation of retinal image; change of curvature of lens in accommodation; determination of near and far points of vision; mapping of the blind spot; effect of light, atropia and stimulation of cervical sympathetic on the pupil; Kühne's artificial eye; ophthalmoscopic examination of the eye; color mixing.

PHARMACOLOGY AND MATERIA MEDICA.

PROFESSOR SOLLMANN.

DR. HATCHER.

The course comprises 34 hours of lectures and recitations, and 48 hours of laboratory work in the last ten weeks of the second year;

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and 70 hours of laboratory and 97 hours of lectures and recitations and 18 hours of conferences in the third year.

In the second year are taught the preliminary subjects of pharmacognosy, metrology and pharmacy, in as far as they are important for medical students; introduction to prescription writing, flavoring and materia medica of flavors; incompatibilities and solubilities; and the locally acting drugs. Outline lectures, illustrated by such experiments as can be profitably demonstrated to a class, are given. These are followed in the next lesson by recitations on the same topics. The laboratory work in this year is designed to familiarize the students with the chemical properties of important drugs, their incompatibilities, isolation and identification; action upon ferments, upon blood, etc.; chemical action of caustics; compounding of simple prescriptions, etc.

The course in the third year comprises lectures and recitations on the action of drugs, their symptomatology, toxicology, therapeutical uses, and materia medica. Whilst the presentation of these subjects is based as far as possible upon experimental data, care is taken to point out the practical application of the ascertained facts, the course being intended as a foundation to clinical therapeutics. For this reason, occasion is also taken to bring together and compare those drugs which act upon the same organ or disease. For the main part, however, the drugs are arranged into large groups, the principal member of each group being studied in detail, whilst the less important are introduced incidentally. The arrangement of lectures, demonstrations and recitations is as in the second year. From time to time there are given exercises in prescription-writing, intended to familiarize the students with the methods of administering the substances which have been studied. The instruction in materia medica is confined to those facts which have a practical value to the medical student. An extensive collection of drugs is kept easily accessible.

The laboratory work is designed to illustrate the actions of important drugs upon animals. The experiments are arranged by methods rather than by drugs, the practical work being kept entirely separate from the lecture course. It serves in this way partly as a review of the latter. The results of the experiments are recorded in detail, the records being assigned to students for the preparation of papers which are read and discussed before the class, as far as time permits.

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PATHOLOGY.

PROFESSOR HOWARD.

DRS. PARKER AND DOLLEY.

Instruction in this department is given by lectures, laboratory work, and demonstrations of fresh and prepared specimens. The most important feature of this course is the laboratory work done by each student.

BACTERIOLOGY. DR. PERKINS. Laboratory work in this course is given three half days a week from March 1 to the end of the first year. The subject is elucidated by informal lectures, demonstrations, and experiments on animals, as occasion requires. The student, after having prepared the various media required, is instructed in the principles of disinfection and sterilization, the bacteriological examination of air, water and soil, and the methods of cultivating, staining and studying bacteria. The pathogenic bacteria and various molds and yeasts are then studied. Altogether from thirty to thirty-five different micro-organisms are studied by each student. Students are trained in the employment of bacteriological methods in medical and surgical diagnosis, and those who prove themselves capable are permitted to pursue investigations along special lines, on subjects assigned them by the professor in charge.

PATHOLOGICAL HISTOLOGY. PROF. HOWARD AND DR. PARKER. The course comprises nine hours a week of laboratory work for the first five months of the second year. It begins with the study of the various forms of tissue degeneration and necrosis. This is followed by the study of inflammation in the frog's mesentery and in sections of hardened tissue, showing all the various forms of inflammatory processes. The infectious granulomata are then taken up, and the forms and special characters of the reaction of the tissues to the specific organisms of infectious diseases are demonstrated. The study of the various pathological processes is based upon their ætiology, and in addition to human tissues, the material from the experiments on animals in the bacteriological course is used for this purpose. The effects of bacterial and other toxines upon the tissues is taught in the same manner. Tumors are next considered. Based upon the above as a ground work, the pathological histology of the various organs and systems is studied. The use of fresh frozen sections of material derived from autopsies, the operating room and animal experiments forms an important feature of the course. Each student receives and is required to stain, mount, carefully study and draw from two hundred and fifty to three hundred sections.

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DEMONSTRATIONS OF GROSS PATHOLOGICAL ANATOMY. PROF. HOWARD, AND DRS. PARKER AND DOLLEY. Demonstrations are made to second and third year students from the large amount of fresh material derived from autopsies and from the surgical and gynecological clinics. Students are required to handle and describe specimens and to make diagnoses from the gross appearances, the macroscopical diagnosis of tumors being an important feature. The hospital connections of the laboratory are such that students can be trained in making autopsies and in writing protocols of the lesions found.

GENERAL PATHOLOGY. PROF. HOWARD. Two lectures a week are given to the second year class. In these lectures the various infectious diseases, immunity, the degeneration and regeneration of tissue, the ætiology of tumors, and the special pathology of the various organs and systems are considered.

ADVANCED AND SPECIAL WORK. A special room, well lighted and equipped, is provided for physicians and advanced students who wish to undertake special work in pathological histology, experimental pathology and bacteriology.

CLINICAL LABORATORY.

DR. LADD.

The new clinical laboratory at Lakeside Hospital is thoroughly equipped with all the necessary apparatus for making complete examinations of the various secretions and excretions, normal and pathological; the blood, urine, sputum, gastric contents, fæces, etc.

Microtome for frozen sections and celloidin work and the various necessary stain and reagents are at the disposal of the students, they being required to apply the methods of technique taught in the laboratory in the study of special cases assigned to them in the hospital wards. A large room of the clinical laboratory is devoted exclusively to the fourth year class, and the main lecture room is devoted entirely to the third year class, who are given systematic instruction throughout the session. The fourth year students are required to apply the knowledge thus gained in working up the cases assigned to them during the fourth year. Special rooms are equipped for the examination of sputum and making chemical tests; also a dark room is fitted up for doing polaroscopic and hæmoglobin work. A few rooms are available for the use of special workers, these rooms to be assigned at the discretion of the director of the laboratory. Microscopes and other instruments are available for the work in this department. The total laboratory capacity contains 2,600 square feet.

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CLINICAL MICROSCOPY. Work in this department will cover the third and fourth years. The third year work will comprise a systematic course, consisting of two laboratory exercises a week throughout the term, on blood, sputum, gastric juice, urine, fæces and pathological exudates.

The technique employed in doing paracentesis of the chest, abdomen and spinal canal; in taking throat, blood, bladder and uterine cultures as well as the further examination of the products obtained, will be carefully outlined.

The methods of preparing material obtained at the operating table for microscopical examination will be shown and each student required to do such work before the completion of his course. The object of this course is not only to cover the ground outlined above, but to prepare the student for independent work. In the fourth year the students will work in small groups in the room assigned to them and especially equipped for their use. They will receive no systematic instruction, but will work under the direction and control of the instructor. Their work will consist of the examination of urine, blood, sputum, gastric juice, fæces, and purulent and other discharges from their ward and dispensary cases, as well as of tumors and other material removed at operations. This work is obligatory, is done in connection with the students' own clinical cases, and is therefore thoroughly practical.

THERAPEUTICS.

PROFESSOR DARBY.

Three hours a week are devoted to Therapeutics during the third year. The teaching is done mainly by means of lectures and quizzes, designed to make the student familiar with all the resources of Therapeutics and enable him to make an intelligent and satisfactory use of them in his future work. Medicines are studied in groups based on their therapeutic affinities, and individually in their application to disease. Careful attention is paid to dossage, the time and mode of administration, influences and conditions which may modify their actions, the effect of toxic doses, the treatment of poisonings and of drug habits. Electrotherapy, Kinesitherapy, including Massage and Rest-Cure. Psychotherapy, including Hypnotism and Suggestion. Serotherapy, Hydrotherapy and Balneotherapy. Dietetics and Climatology are carefully studied in their relation to pathological conditions. The aim of the course is to give the student a thorough and practical knowledge of all the means and methods used in the "treatment and prevention of disease, which is the ultimate aim of all medical research."

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PHYSICAL DIAGNOSIS.

PROFESSOR HOOVER.

DRS. OSBORN, MERRIAM, SEASON, MOOREHOUSE AND WAGNER.

Physical diagnosis is taught in the second and third years. During the second year the student is taught to recognize and elicit all of the physical phenomena of the circulatory and respiratory organs and abdominal viscera that are demonstrable by inspection, palpation and auscultation. Pathological cases are shown only as they are found necessary for the demonstration and explanation of physiological signs. At the end of the year each student is required to demonstrate the normal physical signs of the thorax and abdomen. During the third year physical diagnosis is taught from pathological cases. The students are required to demonstrate at every exercise, and are also given opportunity to practice in the dispensary and hospital wards. The final examination in this course is a practical one. Each student is required to examine a patient, describe the physical signs and make an eliminative physical diagnosis.

THEORY AND PRACTICE OF MEDICINE.

PROFESSOR LOWMAN.

PROFESSOR SAWYER.

DRS. OSBORN, MERRIAM, SEASON AND MOOREHOUSE.

The teaching of medicine is done in the third and fourth years. Lectures, largely clinical, are given to both classes, and the largest possible number of students make direct observation of the patients presented. It is found that very often the whole class can individually verify the conditions described by the lecturer, and this plan has proved of great advantage in the presentation of the cases. The third year class will receive two hours per week in text book work, in which internal medicine not provided for in special departments will be covered in recitation and discussion. The same class has three hours of clinics, and is assigned to the individual study of select dispensary cases. Clinical laboratory drill is made a decided feature of this year's work. In the fourth year the class is taught medicine by clinics, by drill in sections in the dispensary, by the assignment to ward cases, in connection with which the fullest use of the clinical laboratory will be insisted upon. Throughout the course thus outlined, the endeavor is made to develop not only the knowledge of diseases and their diagnosis, but also to thoroughly consider the use of remedies.

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SURGERY.

PROFESSOR ALLEN.
PROFESSOR BUNTS.
PROFESSOR CRILE.
DRS. BECKER, BRIGGS, HERRICK, GRIFFITHS, LOWER, AND BIRGE.

Surgery is taught by means of lectures and demonstrations. During the second year one hour weekly is devoted to the systematic instruction in the application of bandages, splints and in minor surgery. In addition to this the students are given practical drill, in sections, in the application of bandages and splints. During the third year the students receive two hours of lectures weekly upon the principles of surgery, and section work in Charity Hospital dispensary. A course of one hour a week is given in surgical diagnosis. The material from the dispensary of Lakeside Hospital is used for the latter course. There are at least four hours weekly devoted to public clinics, and there is instruction of one hour weekly during a period of six months, in genito-urinary surgery. In addition to this a laboratory course has been arranged for the purpose of instruction beside that given during the second year in the line of general pathology. In this course students are taught to examine blood, and pus, to make cultures, to innoculate animals, to cut sections and make diagnosis of tumors and to perform personally all the laboratory work incident to the diagnosis of surgical cases. This course occupies, in conjunction with a similar course in clinical medicine, from four to six hours weekly during the entire year.

During the fourth year the student attends clinics six hours weekly. After January 1st, there is an additional clinic of one and a half hours weekly, in which instruction is given to sections of ten or twelve men. Optional clinics are given every Saturday afternoon from the beginning of the term until January 1st, at the City Hospital. A course is also given in operative surgery, utilizing all means necessary for the best development of instruction in this department. Throughout the fourth year, also, the student is given cases for examination and diagnosis, upon which complete reports are required. Provision is made in the clinical laboratory for the complete examination of these cases by all laboratory methods. The student is required to examine the blood, sputum, urine, fæces, to make sections and diagnosis of tumors and investigate infections, and to make exhaustive reports, which shall be compared with those made by the clinical staff of the various hospitals. In addition to this the class is divided into sections for daily work in the dispensaries. For the purposes of instruction the material is ample, clinics being given at Lakeside, Charity, St. Alexis and the City Hospitals.

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OBSTETRICS.

PROFESSOR POWELL.

DRS. CLARK, THOMAS, AND WOOLGAR.

Instruction in this course begins with the third and continues through the fourth year, two lectures a week throughout each year. The plan includes didactic lectures, quizzes, practical demonstrations and bedside instruction. Lectures are illustrated freely by charts, diagrams, models and operations upon the manikin. Students are required to become familiar with the use of the various obstetric instruments. The Senior class is divided into small sections and given practical work outside of schedule hours.

Each Senior student is expected to attend from three to five cases of labor under the supervision of the Professor of Obstetrics, or his assistant. The work of the class is chiefly practical.

GYNECOLOGY.

PROFESSOR ROBB.

PROFESSOR HUMISTON.

DRS. THOMAS, SUNKLE, WEIR AND POVEY.

Gynecology is taught by a weekly didactic lecture, lasting one hour, and by supplemental quizzes during the third year; through the fourth year two hours a week are devoted to clinical instruction. The patients admitted to the wards of the Lakeside, Charity and City Hospitals for laceration of the perinæum and for vaginal, vesical, uterine, tubal and ovarian disease, will be shown either at the regular clinics in the amphitheatre or will be made the subjects of teaching at the bedside. Instruction will be given in the wards, so far as it is possible, upon the management of such cases during the period immediately following operation and during the period of convalescence. As a rule, each student will have an opportunity of performing some minor operation.

The work in the dispensary at Lakeside and Charity Hospitals will include history-taking and the ordinary methods of examination, the diagnosis and treatment of cases. This instruction is given daily during the school year to the students of the fourth year. For this work the class is divided into sections, so that each student can receive individual attention. Students in turn will be permitted to examine patients, and suitable cases will be operated upon before the class.

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DERMATOLOGY AND SYPHILOLOGY.

PROFESSOR CORLETT.

DR. HOLE.

Instruction in this department is given to the third and fourth year classes. Clinical lectures are given once a week to the third year students throughout the college year. It is the endeavor to cover the whole field of dermatology with these demonstrative lectures. When necessary lantern-slide plates and other illustrations are used to further elucidate the subject of diseases of the skin. During the course the class will be quizzed by the assistant in Dermatology.

The Senior class is divided into sections and given practical instruction in the clinics three times a week. Thus the common diseases of the skin, as well as many of the more rare forms, are studied and progress under treatment noted. Ample opportunity is given to apply dressings and each student is called upon to make diagnoses and outline courses of treatment under the immediate supervision of the instructor. Clinical material is abundant.

DISEASES OF THE NOSE, THROAT AND EAR.

DR. INGERSOLL.

DR. LINCOLN.

DRS. WAUGH AND CHAMBERLAIN.

Didactic lectures on these diseases are given once a week during the third year. Clinical instruction is given during the fourth year and consists in daily work in the dispensary of Lakeside Hospital. Each section of the class is in turn given personal instruction in the use of instruments for examination and operation and also in the diagnosis and treatment of the various cases.

DISEASES OF CHILDREN.

PROFESSOR CUSHING.

DRS. THOMAS AND POPE.

The instruction in this course, given in the fourth year, consists of a weekly clinical lecture and recitation, followed by a ward visit. Abundant illustrative material is obtained from the Lakeside Hospital dispensary and the children's ward.

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OPHTHALMOLOGY.

PROFESSOR MILLIKIN.

DRS. BRUNNER, HERRICK, AND SHACKLETON.

The method of instruction is largely clinical with didactic teaching interspersed. It is given to the Senior class. The class is divided into sections, each one being assigned in rotation to cases for examination in the dark room. Each student will be given cases for special study, and is expected to make a report upon them before the class, and will be subject to quizzing by members of the class and the instructor. The aim is to teach the diagnosis and methods of treatment of the external diseases of the eye, and to give a working knowledge of the uses of the ophthalmoscope. The eye department has separate wards in Lakeside Hospital in which students have opportunities for seeing work at the bedside. The class will be divided into sections for instruction with the ophthalmoscope, and for daily work in the dispensary rooms during the year. This department has abundant facilities, appliances and material. A large "dark room" with ten lights, a Javal-Schiötz Ophthalmometer, a perimeter, test cases and ophthalmoscopes for practical ophthalmology are provided. A Haab's magnet has recently been added to the equipment.

NEUROLOGY.

PROFESSOR UPSON.

DRS. SPENCE AND HUTCHINS.

Instruction in this branch of medicine is clinical and occupies one hour a week throughout the fourth year. In connection with the cases shown the class is instructed in the use of the different forms of electric current for diagnosis and treatment, and in other diagnostic methods. The material of the City Hospital is utilized from the beginning of the school year up to January 1. Cases of nervous diseases in the hospital proper are shown, and the class is taken through the wards of the Department of the Insane and instruction given in the different forms of mental disturbance. During the remainder of the year material for demonstration is drawn from the Neurological Clinic of the Dispensary and from the wards of Lakeside Hospital.

HYGIENE AND PREVENTIVE MEDICINE.

PROFESSOR ASHMUN.

Hygiene and Preventive Medicine are included in the fourth year, and will occupy two hours a week. In hygiene the course will in-

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clude consideration of heredity; normal development of individuals and races; climatic and meteorological influences; the essentials and accessories to life and health; effects of habits of life and occupation; individual family and community sanitation.

The course in Preventive Medicine is given by lectures, conferences, theses by students on topics assigned. It includes consideration of the pathology, natural history, channels and means of dissemination, together with methods of limiting the spread of infectious diseases, the duties and powers of public officers of health; value and manner of keeping vital statistics; the relation and duties of the physician to the public in matters pertaining to the public health, etc.

MEDICAL JURISPRUDENCE.

Throughout the first half-year, one lecture a week is given to the fourth year class on the subject of Medicine in its relations to the existing laws, and to the various decisions, which are rendered from time to time in important medico-legal cases. Taking up the question of real and apparent death, homicide, wounds, survivorship, identity, the determination of stains, feigned diseases, life insurance, etc., and considering in brief the relationship existing between the law and the practice of medicine.

TEXT-BOOKS.

Chemistry—Witthaus, Bartley, Prescott and Johnson.

Anatomy—Gray, Morris.

Histology and Microscopical Anatomy—Böhm-Davidoff-Huber, or Szymonowicz.

Comparative Anatomy—Wiedersheim.

Embryology—Heisler.

Bacteriology—Abbot, Sternberg, Lehmann and Neumann.

Physiology—Stewart's Manual; for reference, Schäfer's Physiology.

Pathology—Ziegler.

Pharmacology and Materia Medica—Sollmann.

Therapeutics—Wood, Brunton, Bartholow, Shoemaker, Butler, Schmiedeberg.

Medicine—Wood & Fritz, Strumpell, Osler.

Surgery—American Text-book of Surgery, Koenig's Surgery, Warren's Surgical Pathology.

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Gynecology—Diseases of Women (Dudley), An American Text-book of Gynecology (Baldy), A Text-book on Gynecology (Reed). Practical Gynecology (Montgomery), Hart and Barbour's Manual of Gynecology. Books of reference, Pozzi, Fritsch, Aseptic Surgical Technique (Robb).

Obstetrics—Jewett, Reynolds, Davis, Hirst.

Dermatology—Crocker, Hardway, Jackson, Morrow's System of Dermatology, Corlett's Acute Exanthemata.

Neurology—Church and Peterson, Dercum, Dana. Books of reference, Gowers, Berkley on Mental Diseases.

Ophthalmology—American Text-book, De Schweinitz, Norris and Oliver, Fuchs, Noyes.

Nose, Ear and Throat—American Text-book, Kyle, Politzer, Bacon, Buck, Coakley, Bishop.

Hygiene and Preventive Medicine—Stevenson and Murphy, Egbert, Abbot.

Physical Diagnosis—Vierordt's Medical Diagnosis.

Diseases of Children—Holt's Infancy and Childhood, Jacobi's Therapeutics of Infancy, Ashby and Wright.

Medical Jurisprudence—Taylor's (A. S.) Medical Jurisprudence, Taylor's (A. N.) The Law in its Relation to Physicians.

EXAMINATIONS, 1903.

FIRST YEAR CLASS.

Comparative Vertebrate Anatomy—Tuesday, February 3d.

Embryology—Saturday, May 23d.

Histology—Monday, May 25th.

Osteology—Tuesday, May 26th.

Chemistry—Wednesday, May 27th.

Bacteriology—Thursday, May 28th.

SECOND YEAR CLASS.

Pathological Histology—Friday, February 27th.

Anatomy—Tuesday, May 26th.

Physiology—Practical, Wednesday, May 27th, 8 to 11 a. m.; 1 to 4 p. m. Written and oral, Thursday, May 28th, 8 a. m.

Minor Surgery—Saturday, May 23d.

Pharmacology—Practical, Friday, May 15th, 9 a. m. to 12 m. Written and oral, Friday, May 22d, 9 a. m. to 12 m.

Physical Diagnosis—Monday, May 25th.

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THIRD YEAR CLASS.

Therapeutics—Monday, May 25th.

Pharmacology—Materia Medica, written and oral, 1:30 to 4:30 p. m., Tuesday, May 26th. Practical, Monday, January 17th, 1903, 1:30 to 3:30 p. m.

Obstetrics—Thursday, May 28th.

Medicine—Wednesday, June 3d.

Surgery—Thursday, June 4th.

Pathology—Friday, June 5th.

Physical Diagnosis—Thursday, May 14th to 28th.

Gynecology—Saturday, May 30th.

Anatomy—Wednesday, May 27th.

Ear, Nose and Throat—Wednesday, June 3d.

Dermatology—Monday, June 1st.

Clinical Laboratory—Tuesday, June 2d.

FOURTH YEAR CLASS.

Neurology—Monday, May 25th.

Obstetrics—Tuesday, May 26th, 10 a. m.

Surgery—Tuesday, June 2d.

Physical Diagnosis—Thursday, May 28th.

Gynecology—Thursday, June 4th.

Ophthalmology—Friday, May 22d.

Medicine—Saturday, May 30th.

Gynecology—Monday, June 1st.

Surgery—Wednesday, May 27th.

Medicine—Wednesday, June 3d.

Jurisprudence—Saturday, May 23d.

Hygiene and Preventive Medicine—Friday, June 5th.

Pediatrics—Tuesday, May 26th, 2 p. m.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a holiday vacation of two weeks, beginning on December 24th. There will also be a vacation of two days preceding Easter Sunday. No College exercises will be held on Thanksgiving Day, Washington's Birthday or Decoration Day.

SITUATION OF BUILDINGS.

The Medical College stands at the corner of Erie and St. Clair Sts., about five minutes' walk from the center of the city.

The Lakeside Hospital fronts on Lake Street, corner of Muirson Street—five minutes' walk from the college. St. Vincent's Hospital (Charity) fronts on Perry Street, corner of Central Avenue. The Home of Maternity is on Woodland and Longwood Avenues. The St. Alexis Hospital is located at the corner of Broadway and McBride Street, and is reached by the Broadway car line. The City Hospital fronts on Scranton Avenue, and is reached by either Jennings Avenue or Pearl Street and Brooklyn cars. The Medical Library building is at 586 Prospect Street.

ENDOWMENTS.

This College is indebted to the Perry-Payne Family for the valuable ground upon which its buildings have been erected, as well as for other generous assistance from time to time. In addition there are the following special funds:

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The John L. Woods Fund.
The H. B. Hurlbut Fund.
The John Huntington Fund.
The John A. Vincent Fund.
The H. Melville Hanna Fund.
The Leonard Hanna Endowment for the Chair of Clinical Microscopy.

It is also under a lasting bond of gratitude and obligation to other generous donors of funds for the erection of buildings, and the endowment and equipment of laboratories and dispensaries, who have permanently increased its resources and advantages to students of medicine.

THE H. M. HANNA RESEARCH FELLOWSHIP.

This Fellowship has been founded by Mr. H. M. Hanna for encouragement of research in Physiology and Pathology, and is open to graduates of any medical school.

The occupant of the post will be expected to devote himself to original investigation in Physiology or Pathology in this college under the guidance of the Professor, who shall suggest a subject for research or approve one submitted by the Fellow himself. All applicants must produce evidence of fitness for engaging in such work.

The income of the Fellowship is about $600 a year. It is tenable, in the first instance, for one year, but a Fellow who has done exceptionally good work may be reappointed for a second term.

LIBRARIES.

The Free Public Library, 175,000 volumes; Case Library, 50,000 volumes; Hatch Library, 50,000 volumes, and the library of the Cleveland Medical Library Association are accessible to students of this College, and, with the exception of the Hatch Library, are within a few minutes' walk of the Medical College. By special arangement of the Faculty

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members of the Senior class may have the reading privileges of the Medical Library Association's books and journals during the year. This Library now has on its shelves more than 10,000 bound volumes, and one hundred and fifty Medical Journals are on file in the reading rooms. There are more than two hundred volumes of modern text-books and medical works. In addition there are small working libraries in the laboratories of the College itself.

LABORATORIES.

CHEMISTRY.—A chemical laboratory building with over six thousand five hundred square feet of floor space, has been erected to the south of the main college building, and in connection with it. The laboratories are thoroughly equipped for all the details of the course, and each student has a separate desk assigned him with a general supply of apparatus. Extra and special apparatus is furnished upon requisition. A special laboratory has been furnished for the work of advanced students, and every effort made to make it as complete as possible, with facilities for original and special work.

ANATOMY.—The dissecting room is well lighted with electricity, heated and ventilated and provided with modern appliances. The anatomical rooms have about three thousand square feet of floor space. Anatomical material is preserved at all seasons of the year.

HISTOLOGY AND EMBRYOLOGY.—The laboratory is well lighted by a north and east exposure, with means for artificial light on dark days. Enough Leitz microscopes are owned so that each student has one for his individual use, available at all times. Individual lockers are provided. The material for study is furnished without cost. There is a good equipment of microtomes, ovens, glassware, stains and reagents.

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BACTERIOLOGY.—The work in bacteriology is carried on in the pathological laboratory. Students are required to provide their own material for drawings. Microscopes, culture media and animals are provided without charge, and material for staining and mounting specimens, to be retained by students at cost. The laboratory has the benefit of excellent lighting with space for individual work.

PHARMACOLOGY.—There is a large, well-lighted laboratory of two thousand one hundred square feet, devoted exclusively to this subject and fitted up for animal and chemical work. Apparatus and material are furnished without extra charge. The laboratory is open for advanced work in this department. A special laboratory for research has been added.

PHYSIOLOGY.—The teaching laboratories comprise three well-lighted rooms with an aggregate floor space of nearly four thousand square feet. The room for experimental physiology is fifty by thirty feet, the room for chemical physiology measures thirty-five by fifty feet, and the lecture room, devoted exclusively to physiology, is capable of accommodating one hundred and forty students. The equipment for teaching practical physiology permits more than forty students to work in a class at one time, some in the chemical and some in the experimental room. Several separate rooms are available for research. There is also a dark room and workshop.

PATHOLOGY.—The pathological laboratory occupies the entire west third floor, two thousand four hundred square feet, and has in addition a special room for research work, a museum and a professor's room. The teaching laboratory room, two thousand three hundred square feet, is on the east fourth floor, and affords each student separate locker and ample table space. Apparatus, instruments and teaching material are provided without extra charge.

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CLINICAL LABORATORY.—A clinical laboratory has been completed at Lakeside Hospital, of sufficient size to accommodate an entire class. This provides the students with greatly increased facilities for the examination of secretions and excretions, sputum, purulent and other infections, blood, urine, stomach contents, stools, etc., and permits them to make personal examinations of tumors and other pathological specimens. This work is a part of the regular instruction in the third and fourth years and greatly increases the efficiency with which the clinical work of these years is performed. Microscopes and other instruments are available for the work in this department.

MUSEUMS.

Rooms in the College building are set apart for the preservation of anatomical and pathological preparations, casts and specimens. Persons not connected with the College who have specimens they wish preserved can place them in these rooms, with the owners' name attached and such histories, descriptions or remarks as they choose to give, respecting them. A very complete museum of Materia Medica is kept accessible to the students.

HOSPITALS.

LAKESIDE HOSPITAL.—The new Lakeside Hospital occupies a plot of ground four hundred feet long by three hundred and eighty feet deep, on the bank overlooking Lake Erie, about five minutes' walk from the College building. It affords accommodation for two hundred and fifty patients. The staff is composed of members of the Faculty of this College. The hospital has an amphitheatre seating about two hundred students for the surgical classes, and a smaller one with a seating capacity of over one hundred for the medical classes. On the third floor of the dispensary building are two lecture rooms, each capable of seating fifty to

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seventy-five students. There are eighteen resident assistants for the departments of surgery, gynecology, medicine, ophthalmology, children's diseases, pathology, etc. These positions are open to the graduates of this College, and afford great opportunities for practical work.

There has been erected a pavilion for infectious and contagious diseases, having four small wards, with every facility for the proper care and study of these diseases.

ST. VINCENT'S (CHARITY) HOSPITAL.—This is one of the oldest and best known institutions in the city and state. It has between seventy-five and one hundred beds. The staff is selected by the faculty, and the clinical material of the hospital is utilized for instruction in this College. There are six hospital positions open each year to the graduates of this College only.

This hospital has just added a complete new wing for the accommodation of female patients. This has added sixty beds, besides operating pavilion and recovery rooms, to the capacity of this institution. A complete dispensary department is added in the basement of this wing, with all facilities for the care of out-door patients.

CITY HOSPITAL.—This institution is under municipal control. It accommodates one hundred and fifty to one hundred and seventy-five patients continually in the adult department and has a new building for children, with one hundred beds, besides operating rooms, pathological laboratory, etc. From September to January regular clinics in medicine, gynecology, surgery, neurology and cutaneous and venereal diseases are given here by members of this faculty. The insane department of this hospital affords material for clinical instruction in mental diseases. Frequent autopsies are held and abundant material for pathological demonstrations obtained. The resident staff is selected by competitive examination, and the students of this College are eligible.

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ST. ANN'S MATERNITY HOSPITAL AND FOUNDLING ASYLUM.—During 1901 a long desired change was made at the St. Ann's Maternity Hospital and Foundling Asylum. The old institution located on Marion Street was vacated to supply more space to St. Vincent's Hospital. The Severance homestead at the corner of Woodland and Longwood was purchased and remodeled and formally opened to carry on the work in a new location during the latter part of December. It is to be hoped that the present year will witness the erection of a new building to supply the urgent demand for more room.

St. Ann's Maternity Hospital affords abundant opportunity for the study of the physiology, mechanism and management of labor at the bedside. Graduates of our college are appointed as residents.

CLINICAL FACILITIES.

The clinical facilities of this College comprise, throughout the course, the two hundred and fifty beds at Lakeside Hospital, one hundred and forty beds of Charity Hospital, the Dispensaries at Lakeside and Charity Hospitals, one hundred beds of St. Alexis Hospital, the Maternity and Children's Home, and two hundred and seventy-five beds of the City Hospital during four months of each year.

RESIDENT PHYSICIANS.

From twenty-five to thirty resident positions are open to the graduates of the College in the hospitals of the city. Of the class graduating in 1902, twenty-three men received hospital appointments.

HOSPITAL SERVICE.

LAKESIDE HOSPITAL STAFF.

Medicine—DRS. H. H. POWELL, J. H. LOWMAN, H. S. UPSON, E. F. CUSHING.

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Surgery—Dr. D. P. Allen; Dr. G. W. Crile, Associate.

Ophthalmology—Dr. B. L. Millikin.

Gynecology—Dr. H. Robb.

Dermatology—Dr. W. T. Corlett.

Pathology—Dr. W. T. Howard, Jr.

CHARITY HOSPITAL STAFF.

Consulting Physicians—Drs. G. C. Ashmun, B. W. Holliday, J. H. Lowman.

Consulting Surgeons—Drs. G. C. E. Weber and D. P. Allen.

Consulting Ophthalmologist—Dr. B. L. Millikin.

Consulting Dermatologist—Dr. W. T. Corlett.

Consulting Gynecologist—Dr. H. Robb.

Visiting Physicians—Drs. J. H. Lee, J. E. Cook, J. P. Sawyer, T. A. Burke.

Visiting Surgeons—Drs. F. E. Bunts and C. A. Hamann.

Visiting Gynecologist—Dr. W. H. Humiston.

Visiting Ophthalmologist— Dr. W. E. Bruner.

Pathologist—Dr. W. T. Howard, Jr.

HOME OF MATERNITY.

Obstetrics—Dr. H. H. Powell.

CONSULTING STAFF AT CITY HOSPITAL.

Medicine—Drs. J. H. Lowman and J. E. Darby.

Surgery—Drs. D. P. Allen and F. E. Bunts.

Obstetrics—Dr. H. H. Powell.

Neurology—Dr. H. L. Spence.

Gynecology—Dr. W. H. Humiston.

Dermatology—Dr. W. T. Corlett.

Pathology—Dr. W. T. Howard, Jr.

Ophthalmology—Dr. W. E. Bruner.

Laryngology—Dr. J. M. Ingersoll.

VISITING STAFF.

Drs. C. F. Hoover and C. A. Hamann.

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DISPENSARIES.

Free Dispensaries are maintained at Lakeside and Charity Hospitals with daily service except Sundays. These college dispensaries were established on the Hurlbut and Huntington Funds and afford treatment to about ten thousand new cases annually.

LAKESIDE HOSPITAL SERVICE.

Medicine—Dr. J. H. Lowman, Director; Drs. E. H. Season, G. W. Moorehouse, Physicians in Charge.

Surgery—Dr. D. P. Allen, Director; Drs. H. A. Becker, Chas. E. Briggs, and R. H. Birge, Surgeons in Charge.

Obstetrics—Dr. H. H. Powell, Director; Dr. F. S. Clark, Obstetrician in Charge.

Diseases of Children—Dr. E. F. Cushing, Director; Drs. J. J. Thomas, C. Pope, Physicians in Charge.

Gynecology—Dr. H. Robb, Director; Dr. R. H. Sunkle, W. H. Weir and G. Povey, Gynecologists in Charge.

Nervous Diseases—Dr. H. S. Upson, Director; Dr. H. L. Spence, Neurologist in Charge; Dr. F. C. Hutchins, Assistant.

Ophthalmology—Dr. B. L. Millikin, Director; Dr. W. E. Bruner, Ophthalmologist in Charge; Drs. H. J. Herrick, Wm. E. Shakleton, Assistants.

Dermatology and Syphilis—Dr. W. T. Corlett, Director and Physician in Charge; Dr. C. M. Hole, Assistant.

Disease of Nose, Ear and Throat—Drs. J. M. Ingersoll and William R. Lincoln, Surgeons in Charge; Drs. J. M. Waugh and Wm. B. Chamberlain, Assistants.

CHARITY HOSPITAL SERVICE.

Medicine—Dr. J. P. Sawyer, Director; Drs. W. O. Osborne and W. H. Merriam, Physicians in Charge.

Surgery—Dr. F. E. Bunts, Director; Drs. Fred C. Herrick and T. E. Griffiths, Surgeons in Charge.

Gynecology—Dr. W. H. Humiston, Director; O. T. Thomas, Gynecologist in Charge.

Ophthalmology—Dr. Wm. E. Bruner, Director; C. C. Stuart, M. D., Assistant in Charge.

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HOME OF MATERNITY.

Obstetrics—Dr. H. H. Powell, Director; Dr. J. J. Thomas, Obstetrician in Charge; Drs. Eugene O. Houck, Wm. J. Woolgar, Assistants.

DISPENSARY APPOINTMENTS.

Members of the third year class remaining in the city during the summer, may be appointed for practical work in the Dispensary, in sections, by applying to the Dean.

EXPENSES.

The fees are $125 a year. This amount includes payment for tuition and all laboratory expenses, except the price of anatomical material, breakage and use of oil immersion microscopes, and is due before October twentieth of each year. Students who prefer may pay $75 by October twentieth, and $55 by March fifteenth of the college year. No student shall be permitted to present himself for examination in any branch who has not paid all dues and liabilities. Students who wish to pay for the entire four years' course by October twentieth of their first year, will be allowed a reduction of $50 on the whole amount. A deposit of $2 is required from students in each of the laboratories at the outset, in addition to the tuition fee, to cover breakage. The unused balance of such deposit is returned at the end of the session. A rental of $5.00 per year will be charged for the use of oil immersion microscopes, the students having full use of these instruments during their entire year. Students who prefer may furnish their own microscopes.

Students in Adelbert College taking work in the Medical Department will be charged a laboratory fee in each department, the total fees in no case to exceed the difference between the fees of Adelbert College and the Medical College.

Good board can be procured at from three to five dollars a week, and furnished rooms at from five to ten dollars a month. By forming "clubs" students are able to bring their

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living expenses considerably below these prices. The janitor at the College building keeps a list of boarding houses for the convenience of students. By an arrangement with Goodrich House, which stands within one block of the College, a gymnasium, with bathing accommodations, is available to the students at a very small cost. At the Y. M. C. A. building, which is near, similar opportunities are afforded.

POST-GRADUATE AND SPECIAL INSTRUCTION.

Courses of post-graduate and special instruction for physicians and special students will be given in the various laboratories, commencing about June 1st and lasting for six weeks.

CHEMISTRY. JAMES A. EVANS, B. S. A course in Chemistry in its relations to practical medical work will be given in the laboratory during a period of six weeks. Fee, $25.00.

PHYSIOLOGY. DR. CLAUDE C. GUTHRIE. A course of practical physiology, based upon the practical exercises in Stewart's Manual of Physiology. Six half days a week for six weeks. Fee, $20.00. A fee of $5.00 to defray the cost of animals is divided by each set of four.

PHARMACOLOGY. DR. R. A. HATCHER. This course will be identical with that given in the pharmacological laboratory during the regular session. It comprises experiments on mammals and frogs, as well as chemical work. The fee for the mammal and frog work is $15.00, for the chemical work, $7.50; for both together, $20.00. Others than matriculated students of this school will be charged a laboratory fee of $3.00 for the mammal work, and $2.00 for the chemical work, in addition to the above.

PATHOLOGICAL ANATOMY. DR. JOHN A. SIPHER. In this course both gross and histological pathological anatomy will be studied. General problems, such as degeneration and necrosis, inflammation, the infectious granulomota, and tumors will be considered first, after which the special pathological anatomy of the various organs will be studied. The laboratory is well supplied with material for the course, which will be entirely practical, the students doing their own staining and mounting. They will be given such further botanical training as they may desire. The class will meet six half days a week for six weeks. Fee, $30.00.

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CLINICAL MICROSCOPY. DR. L. W. LADD. This course will include the various methods of examining blood, sputum, urine, fæces, gastric contents, pathological exudates, and in general, the application of the microscope to the diagnosis and the other aspects of clinical medicine. The class will meet three times a week for a period of two hours each meeting, for six weeks. Fee, $30.00.

For further information apply to the instructors in the various courses.

Graduates in medicine may also arrange for courses of clinical instruction in medicine, surgery and the various specialties during the same period by applying to the Dean of the College, or to the men in charge of the various departments.

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APPENDIX.

CLASS EXAMINATIONS.

VERTEBRATE EMBRYOLOGY.

(ANSWER ANY FIVE QUESTIONS).

1. (*a*) What is the time relation of ovulation, the destructive period of menstruation and impregnation in homo? (*b*) What is the relation of maternal and fœtal circulations in the placenta? (*c*) Homologize the external genitalia of male and female in mammalia. (*d*) How does the pancreas arise?

2. (*a*) Describe with drawings the development of the eye. (*b*) Discuss the metameric relation of appendages in homo to the trunk as regards nerves and musculature.

3. Trace the course of the mammalian circulation in late fœtal life, and state the changes which occur at birth, and, so far as you can, the direct causes of these changes.

4. Given the indifferent stage of the urinogenital system of mammals, describe the changes by which the male and female types are differentiated from it, stating explicitly the homologous parts in the two sexes.

5. Describe the origin of the respiratory system of amniota (except the larynx) and its relation to the digestive system.

6. Describe the early formation of the central nervous system, the primary and secondary brain vesicles, and the parts of the adult organ which arise from each in amniota.

CHEMISTRY.

1. What is Chemistry? Name fifteen of the elements and give the atomic weight and quantivalence of each.

2. Give a general description of the manufacture of sulphuric acid; and how much acid can be obtained from one ton of gelma, which assays 98% Pf. S.

3. Give the general analytical separation of the metals and the members belonging to each group.

4. How would you proceed in a case of arsenical poisoning?

5. What are some of the more important acids of phosphorus, giving the formula and molecular weight of each?

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6. What two classes of mercury salts are there and describe some of the most important salts of each?

7. A volume of oxygen measures 1200 C. C. at 4° C. and at a higher temperature the volume was observed to be 1460 C. C.; what was its final temperature?

8. What are some of the most important salts of sodium? Give formulas, molecular weights and methods of preparation of each.

9. What elements constitute the Halogen Group? Describe each of them.

10. What are acids, bases and salts, and how much oxygen, by volume, measured at 20° C. and 720 m. m. pressure, can be obtained from 30 grains of potassium chlorate?

The examination in the Laboratory consisted in the analysis of three solutions, containing not less than four unknowns each.

ORGANIC CHEMISTRY.

1. What is Organic Chemistry, and into what general groups are the organic compounds divided? Give illustrations of each.

2. A certain organic compound was analyzed and analysis gave results as follows: C=61.32%; H=5.09%; O=23.37%; N =10.22%.

The V. D.=68.5.

3. What grouping of elements represent the following list of compounds, and give illustrations of each: Hydrocarbons, ethers, esters, ketones, aldehydides, acids, bases; primary, secondary, and tertiary alcohols; phenolesfi hydrazones, azo, diazo, and amides.

4. What is fermentation and how does it differ from putrefaction?

5. What are the Carbonhydrates? Give the general classification and examples of each group.

6. What are fats, and describe the process of saponification and the products formed?

7. Give a list of the di-and triatomic phenoles.

8. What is benzoic aldehyde and how can it be converted into the corresponding acid and alcohol? Give the formula of each.

9. How can benzole be obtained from carbon? Show the various chemical processes.

10. What are some of the ptomaines belonging to the paraffine series, giving their formulas? What are some of the groups of color bases derived from the phenoles?

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BACTERIOLOGY.

The examination in this branch was oral and practical, a test tube containing two cultures was given for identification and description.

ANATOMY.

Examinations in anatomy are oral.

HISTOLOGY AND MICROSCOPICAL ANATOMY.

1. Identify the organs in the ten slides given you. (These were: Pancreas, urinary bladder, duodenum, prostate, cerebral cortex, oesophagus, suprarenal, pyloric stomach, uterus, liver.)

2. Describe the microscopic anatomy of the organs represented by the two slides indicated. (These were uterus and liver.)

3. Describe in detail with drawings the macroscopic and microscopic structure of small intestine, and state the chief differences found in the colon.

4. (a) Describe the structure of the spermatozoan of homo, and the chief stages in spermatogenesis.

(b) Locate in the dorsal cord the chief regions of substantia grisea, including the areas of neurocytes, and the fibre tracts of the substantia alba.

(c) Describe the structure of the epidermis in general body surface and on plantar, palmar or volar surface, or compare sudoriparous and sebaceous glands and name the more important modified glands of each type.

5. Describe in detail with drawings the coats of the eye in a typical region of the pars optica retinae.

PHYSIOLOGY.

(WRITTEN EXAMINATION.)

1. State what you know of the place and mode of formation of the colored and colorless corpuscles of the blood. Describe a method of enumerating them. Under what circumstances do changes in their number occur in health?

2. Describe the various methods of estimating the velocity of the blood. State how and explain why the velocity of the blood varies in different parts of the vascular system.

3. Describe in detail the operation necessary for demonstrating the action of the chorda tympani. What are the effects of stimulating the nerve? What are the effects on the salivary glands of stimulating the cervical sympathetic?

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4. Give as full an account as you can of the digestion, absorption and metabolism of fat.

5. How can the velocity of the nerve impulse be measured? What are the proofs that an impulse artificially set up is conducted in both directions along a nerve fibre?

6. Mention the groups of fibres in the internal capsule, their origin, destination and function. What are the histological and physiological effects of destruction of the posterior limb of the left internal capsule?

7. Describe the action of the various extrinsic muscles of the eyeball when they contract singly and in groups. What are the effects of paralysis of the third nerve?

PHYSIOLOGY.

(PRACTICAL EXAMINATION).

Two of the following experiments were assigned to each student after entering the examination room. The candidate is supplied only with such apparatus or reagents as he may ask for.

1. Determine the nature of the coloring matter in solutions A and B. (A was methaemoglobin; B haemochromogen.)

2. Take tracings to demonstrate the action of veratrin on the contraction of skeletal muscle.

3. Determine by Hammerschlag's method the specific gravity of the specimens of blood A and B. (Sp. gr. of A was 1053; of B, 1040.)

4. Estimate the amount of urea in the specimen of urine provided.

5. Determine what, if any, pathological substances are present in the specimen of urine provided. (It contained bile pigments and bile acids.)

6. Demonstrate in the frog the phenomenon known as inhibition of the reflexes.

7. Demonstrate on the animal provided the effect of albumoses on the blood pressure.

8. Demonstrate the effect of stimulation of the central end of the sciatic nerve on the blood pressure.

9. Obtain respiratory tracings from the animal provided.

GROSS PATHOLOGICAL ANATOMY.

The examination in this branch is oral.

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GENERAL PATHOLOGY.

An oral examination. The questions included the following subjects: The general principles of pathology, the etiology of infectious and non-infectious diseases, the portals of entrance of micro-organisms into the body, the bacterial flora of the body, the bacteria of wound infection, immunity, antitoxins, the etiology and pathological anatomy of typhoid fever, tuberculosis, diphtheria, syphilis, pneumonia, arterio-sclerosis, the pathology of the circulation, etc.

THERAPEUTICS.

1. How do antipyretics control temperature and illustrate each class.

2. Alcohol: (*a*) its changes, if any, in the body; (*b*) destiny; (*c*) its influence on digestion; (*d*) circulation; (*e*) blood; (*f*) tissue change; (*g*) indications for use.

3. Opium: (*a*) describe; (*b*) active principles; (*c*) preparations; (*d*) dose of each; (*e*) action; (*f*) synergists as anodynes (*g*) as antiphlogistic; (*h*) as hypnotic.

4. Symptoms and treatment of opium poisoning.

5. Digitalis: (*a*) how and why is it a heart tonic; (*b*) a diuretic; (*c*) indications for use and preparations to be used in each case and why?

6. Quinine: Illustrate its use; (*a*) as tonic; (*b*) as antiperiodic; (*c*) as antipyretic; (*d*) as oxytocic.

7. Anaesthesia: (*a*) local; (*b*) general; (*c*) means and methods of producing; (*d*) sources of danger.

8. Belladonna (*a*) active principles; (*b*) preparations and dose of each; (*c*) action; (*d*) indications for use; (*e*) symptoms and treatment of poisoning.

9. Ergot: (*a*) action; (*b*) indications and contraindications for use in obstetrics.

10. Outline the treatment of pneumonia.

PHARMACOLOGY.

(WRITTEN).

1. Write a metric prescription for a case of cough with scanty mucus and considerable irritation. Write the names without abbreviations.

2. Describe the different ways in which diuretics may act. Give examples of each.

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3. (Answer either *a* or *b*.) Describe the course of reasoning and the experiments which would be necessary to show

(a) That a drug which strengthens the cardiac action also produces a vaso constriction.

(b) That a drug which stops the secretion of saliva does so by paralyzing the chorda tympani endings.

4. State the different ways in which drugs may produce mydriasis, and give an example of each.

5. Name one or more drugs which may be employed to secure:

(a) Direct stimulation of the respiratory center.

(b) Emesis through central action.

(c) Stimulation of the vaso constrictor center.

(d) Depression of the cough-reflex.

(e) Paralysis of the vasomotor center.

6. Write an essay of about 500 words, describing *fully* the pharmacology, symptoms, antidotes, therapeutics and materia medica of any *one* of the following groups: Quinine, Atropin, Mineral Acids.

7. Identify the 20 specimens. Give correct Latin name of the preparation and its dose.

8. Examine the three prescriptions which are submitted to you for incompatibilities.

PHARMACOLOGY.

(PRACTICAL EXAMINATION).

Each student is assigned a chemical experiment, and one on an animal.

Chemical Experiments: (1) Effect of three solutions on a ferment; (2) separation of an alkaloid from chinchona decoction; (3) comparison of the strength of two preparations of nux vomica, by taste; (4) distinguishing between solutions of opium and chinchona (method furnished); (5) distinguishing between veratrin and quinine (method furnished).

Frog Experiments: (1) Williams' apparatus; (2) effect of a solution on muscle-curve; (3) demonstration of anesthetic action; (4) effect on blood vessels; (5) testing for veratrin, nicotin, caffein—on frogs.

Mammal Experiments: Blood pressure and respiratory tracing for cocain and digitalis; respiratory tracing for nitroglycerin and hydrastinium.

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DERMATOLOGY.

1. What is eczema? Give clinical varieties, and distinctive features of each.

2. Outline the treatment of syphilis during its whole course. How long would you treat the disease?

3. Give differentiation between variola and varicella.

4. Give symptoms, pathology and treatment of herpes zoster.

5. Give symptoms, etiology and treatment of scabies. How differentiate from prurigo?

NOSE, THROAT AND EAR.

1. Name the principal causes of nasal obstruction. Discuss the most common cause.

2. Name the most common form of neoplasm (*a*) in the nose; (*b*) in the nasopharynx in children. Give the treatment in each case.

3. Describe the methods of removing animate and inanimate bodies from the external auditory canal.

1. Describe tuberculosis of larynx.

2. Describe symptoms and treatment of acute folicular tonsillitis.

3. Give treatment and symptoms of chronic pharyngitis.

PHYSICAL DIAGNOSIS.

Examination in physical diagnosis is oral and clinical.

MEDICINE.

DR. LOWMAN.

1. Jaundice: (*a*) Definition; (*b*) Symptoms; (*c*) Distinction between obstructive and toxic jaundice; (*d*) What is grave jaundice? (*e*) Causes of obstructive jaundice? (*f*) Test for bile in the urine and blood.

2. Typhoid Fever: (*a*) What is the diagnostic value of the serum reaction? (*b*) What is the diagnostic value of the diazo reaction? (*c*) Describe the method of making the above tests; (*d*) What is the value in diagnosis of iliac tenderness, chills, hemorrhage, white blood count, temperature? (*e*) What is the peculiar behavior of the tongue, abdomen, bowels, liver, pulse, skin, spleen in typhoid fever? (*f*) State immediate causes of death in typhoid fever.

3. Pneumo-pyo-thorax: (*a*) Differential diagnosis; (*b*) Causes; (*c*) Treatment.

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4. Mitral Stenosis: (*a*) What is the form of the heart as outlined by percussion in M.-S.? (b) What murmur is present and how is it caused? (*c*) What is the behavior of the heart as to rhythm and force? (*d*) What are some of the remote systemic effects?

5. Rheumatism: (*a*) Name different forms; (*b*) Describe the course of acute articular rheumatism; (*c*) What are the chief dangers and complications? (*d*) Treatment in full.

MEDICAL JURISPRUDENCE

1. What are the distinguishing characteristics between near and far gun shot and pistol wounds?

2. What evidence have we, post-mortem, that respiration has actually occurred in a child recently born?

3. Given a body in which death has followed an incised wound of the throat, what points will suggest the nature of the wound, whether suicidal, homicidal, or accidental?

4. Give two methods of determining the height of a dead body from a single member, or part of such member.

5. Give the methods of procedure in the modified guiacum test, and the agglutination test, for the detection of blood in a suspected stain.

6. Give, in the order of their appearance, the signs by which we can determine the probable length of time which has elapsed since death occurred.

SURGERY.

DR. ALLEN.

1. What symptoms indicate obstruction of the biliary tract? To what may they be due? What is the treatment?

2. What are the symptoms of stone in the urinary bladder? How may they be removed? The relative merits of the various operations?

3. Diagnosis and treatment of stricture of the urethra.

4. Describe three methods of operation for hemorrhoids.

5. Describe methods of treatment of talipes equinus.

SURGERY.

DRS. BUNTS AND CRILE.

1. Fractures: (*a*) Define compound, simple, complicated; (*b*) give causes of delayed union; (*c*) give treatment of delayed union.

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2. Diagnosis of fracture of neck of femur: (*a*) within capsule; (*b*) without capsule.

3. How would you locate fissure of Rolando on the skull?

4. Give diagnosis, prognosis and treatment of acute osteomyelitis.

5. Acute appendicitis: (*a*) Give differential diagnosis from acute cholecystitis, salpingitis and acute gastro enteritis; (*b*) give indications for operation.

OPHTHALMOLOGY.

1. Name the muscles which move the eye ball and describe their physiological action. What nerves supply these muscles, and what would be the symptoms if the sixth nerve was paralyzed?

2. Name the varieties of conjunctivitis. Give the symptoms, pathology and precautions necessary in the treatment of granular lids and purulent conjunctivitis.

3. Name the varieties of iritis, give the symptoms and treatment of acute plastic iritis. Differentiate between acute iritis and acute glaucoma. What drugs have special action in each disease?

4. Give differential diagnosis of sympathetic irritation and inflammation. Give cause and full treatment of the latter.

5. Define emmetropia, hypermetropia, myopia, mixed astigmatism. What kind of a glass should be used to correct the last named?

GYNECOLOGY.

DR. ROBB.

1. What is the normal position of the uterus and to what extent may its position vary within physiological limits?

2. What are the different forms of endometritis? Discuss the causes, symptoms and treatment.

4. What is meant by retroflexion and retroversion of the uterus? Give etiology, symptoms and treatment.

5. Under what circumstances and how would you apply a pessary? Enumerate the different pessaries in common use.

6. Mention the varieties of vaginitis, and the treatment.

7. State the chief etiological factors which may be responsible in a case of pyosalpinx.

8. Describe in detail the nature and symptoms of extra-uterine pregnancy.

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9. How would you treat a case of ruptured tubal pregnancy?

10. What are the symptoms and physical signs of malignant disease of the uterus and of the cervix? What treatment would you advise? How is the condition to be differentiated from myoma of the uterus?

The examinations are partly oral and partly written. The method is to divide the ground covered during the year into about one hundred questions. The class is divided up into ten sections, each of which receives a different set of ten questions, so that as a consequence only two or three men will have precisely the same.

DR. HUMISTON.

1. What are the causes of dysmenorrhoea?

2. What are the indications for curettement?

3. What are the clinical evidences of carcinoma of servix uteri and how would you differentiate between a simple erosion and beginning carcinoma of the cervix?

4. What is the normal position of the uterus, and by what means would you diagnose a retroflexion of the uterus?

5. Give the treatment for ancute gonorrhoeal vaginitis.

6. Give the clinical signs (objective and subjective) of ruptured tubal pregnancy.

7. How would you differentiate retroflxeion of the uterus from a fibroid in the posterior wall of that organ?

8. What is a pyo-salpinx and what are its etiologic factors?

9. Name the cystic formations found in the ovary.

10. Give the differentiation between a uterine fibroid and an ovarian cyst.

OBSTETRICS.

1. Give a diagram showing the general axis of the parturient canal.

2. Give the diameters of the true pelvis, also the diameters of the false pelvis taken to determine deformities.

3. Give the points of difference between the male and the female pelvis.

4. Give the points of distinction between frequency and the following conditions: (*a*) pseudocyesis; (*b*) ascites; (*c*) ovarian cystoma.

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5. Give the diagnosis of a breech from a face; also the diagnosis of a foot from a hand.

6. Describe the mechanism observed in the first position of the head.

7. Outline the proper management of a normal case of labor with special reference to the avoidance of infection.

8. Give the indications and the contra-indications for the following operations: (*a*) forceps; (*b*) version; (*c*) craniotomy.

NEUROLOGY.

1. What are the causes of facial paralysis?

2. What diagnostic information is obtained from a knowledge of the reflexes?

3. What are the symptoms of paresis?

4. Of what aid is electricity in forming a prognosis?

5. What are the applications of suggestive therapeutics?

PREVENTIVE MEDICINE.

1. Why is the preservation of health a rational means of preventing disease?

2. Give the known means by which the bacillus of typhoid fever may be disseminated?

3. What prophylactic measures would you adopt to prevent the spread of typhoid fever from a given case?

4. Why is it essential in efforts to prevent the spread of an infectious disease, that the stage of incubation should be estimated as accurately as possible?

5. What is the duty of a physician who has made a diagnosis of an infectious disease, in a locality where health officers are established?

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THE FRANKLIN T. BACKUS LAW SCHOOL.

HISTORICAL STATEMENT.

THE Franklin T. Backus Law School of Western Reserve University was founded in the year 1892. Its first class entered the school in September of that year. During the first two years it was located in rented quarters at the corner of Euclid Avenue and Adelbert Street. In the fall of 1894 the school was removed to temporary quarters in Adelbert Hall, where it remained for two years. In 1896 the stone building now occupied by the school was erected. It contains, in addition to large halls, four rooms of equal size, twenty-five by forty feet, inside measurement. One of these rooms is fitted up for a library and reading room, and the other three are used for recitation work. Each recitation room is furnished with individual tables so constructed as to enable the students to takes notes with as little inconvenience as possible. The basement is furnished with toilet, locker and smoking rooms. Each student is furnished a locker for the keeping of his coat, books, etc. The building is so constructed as to allow the erection of a large addition whenever the needs of the school shall require it.

In 1892 the library numbered about five hundred volumes. Today it numbers thirteen thousand volumes and is one of the largest law school libraries west of New York.

In 1892 nine lectures a week were given; now there are given fifty lectures a week, and the number of the members of the faculty has grown from five to seventeen.

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When the school was first opened candidates for a degree were required to have but little more than a common school education. Nearly all the law schools in the country, including some of the oldest and most prominent, demanded no more. In 1900 the requirements of candidates for a degree were raised to the requirements for entering college.

In 1893 Mrs. Franklin T. Backus, of Cleveland, Ohio, provided an endowment for the school and the name of the school was then changed from the "Law School of Western Reserve University" to the "Franklin T. Backus Law School of Western Reserve University" in honor of a man who, during his life, was one of the leaders of the Ohio bar and who always took the deepest interest in all matters pertaining to legal education.

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FACULTY.

CHARLES F. THWING, D. D., LL. D., 55 Bellflower Av.
President.

CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.
Professor of the Law of Real Property.

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.
Professor of the Law of Contracts and Equity Jurisdiction, Dean of the Faculty.

HENRY CLAY WHITE, A. M., 344 Harkness Av.
Professor of the Law of Wills and Estates.

HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.
Professor of Constitutional Law.

ALEXANDER HADDEN, A. B., 1670 Lexington Av.
Professor of the Law of Crimes, Criminal Procedure, and Damages.

ARTHUR ADELBERT STEARNS, A. M., 87 Oakdale St.
Professor of the Law of Suretyship and Mortgage.

JAMES LAWRENCE, A. B., 709 Genesee Av.
Professor of the Law of Public and Private Corporations.

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.
Professor of the Law of Pleading and Practice.

PAUL HOWLAND, A. M., LL. B., 11 Granger St.
Professor of the Law of Pleading and Partnership.

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.
Professor of the Law of Agency and Bills and Notes.

FRANCIS RUFUS HERRICK, A. B., 449 Russell Av.
Professor of the Law of Torts.

FRANK BEVERLY WILLIAMS, A. M., LL. B., 111 Crawford Road.
Professor of the Law of Evidence, Trusts, and Personal Property.

FREDERICK WILLIAM GREEN, LL. B., Rice Av., Newburgh.
Lecturer on Sales.

CLAYTON KING FAUVER, PH. B., LL. B., 727 Case Av.
Lecturer on Torts and History of Procedure, and Instructor in charge of Review Work.

ROLLIN ABBOTT WILBUR, LL. B., 820 Fairmonnt St.
Lecturer on Contracts and Carriers.

FRANCES L. TROWBRIDGE, 84 Miles Av.
Librarian.

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STUDENTS.

THIRD YEAR CLASS.

Walter Silas Adams,	*Cleveland*	3714 Euclid Av.
A. B., Adelbert, 1900; Harvard University, 1900-01.		
William Arnos,	*Defiance*	2238 Euclid Av.
A. B., Tri-State Normal, 1899.		
William Hugus Chapman,	*Cleveland*	11 Sackett St.
Adelbert, 1897-98.		
Harry Tracy Duncan,	*Cleveland*	78 Fifth Av.
Ph. B., Adelbert, 1901.		
Earl Washington Farwell,	*Millersburg*	820 Fairmount St.
A. B., Princeton, 1900; Harvard University, 1900-01.		
Walter Granger,	*Cleveland*	893 St. Clair St.
Volant College, 1899-1900.		
Andrew James Haggerty,	*Cleveland*	241 Hodge Av.
Adelbert, 1899-1900.		
Edgar A. Hahn,	*Cleveland*	633 Scovill Av.
Lewis Edwin Harvie, Jr.,	*Danville, Va.*	Adelbert Hall.
Danville Military Institute.		
Samuel Edmund Kramer,	*Cleveland*	224 Quinby St.
Ph. B., Adelbert, 1900.		
William John Laub,	*Akron*	2278 Euclid Av.
Ph. B., Adelbert, 1900.		
Joseph Timmons Micklethwait,	*Portsmouth*	Adelbert Hall.
Ohio University, 1897-1900.		
John Allen Neiding,	*Cleveland*	186 Taylor St.
Irving Holland Randolph,	*Salem*	Adelbert Hall.
B. S., North-Eastern Ohio Normal, 1898.		
Raymond Terry Sawyer,	*Cleveland*	54 Streator Av.
A. B., Kenyon, 1900.		
Ernest Schwartz,	*Cleveland*	25 McKinstry St.
Bartlett Carlton Shepherd,	*Painesville*	Adelbert Hall.
Ph. B., Adelbert, 1900.		
Lewis Daniel Slusser,	*Akron*	Adelbert Hall.
B. S., Mt. Union, 1896; Harvard University, 1900-01.		
Vernon Leland Stanford,	*Ravenna*	217 Ohio Bldg.
Ph. B., Adelbert, 1900.		
Liberty Bernard Ware,	*Cleveland*	1430 Detroit St.
David Ross Warnock,	*Urbana*	2097 Euclid Av.
Urbana University, 1899.		
Benjamin Breckinridge Wickham,	*Norwalk*	153 Cornell St.
A. B., Adelbert, 1896.		

THIRD YEAR, 22.

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SECOND YEAR CLASS.

John Alvin Alburn, A. B., Adelbert, 1902.	*Youngstown*	Eldred Hall.
Max Leonard Bernsteen, Adelbert, 1899–1901.	*Cleveland*	67 Fifth Av.
Clinton Lorrin Case, B. S., New South Lyme Institute, 1901.	*Greensburg*	995 Doan St.
Allen Sidney Davis, B. S., Denison University, 1900.	*Columbus*	131 Murray Hill Av.
Fred Desberg,	*Cleveland*	1050 Central Av.
David Edward Green, B. S., Denison University, 1901.	*Renrock*	131 Murray Hill Av.
Ben Haber, B. L., Adelbert, 1901.	*Cleveland*	8 Lewiston St.
Theodore Hall, Jr., A. B., Adelbert, 1901.	*Ashtabula*	40 Knox St.
Calvin Jenison Hinds, Jr.,	*Girard, Pa.*	261 Van Ness Av.
Morris William Kastriner, A. B., Adelbert, 1901.	*Cleveland*	731 Scovill Av.
Joseph Harvey Kitchen, A. B., Yale, 1899.	*Cleveland*	858 Euclid Av.
Henry Lustig,	*Cleveland*	2773 Broadway.
Eugene Curie Mathivet, Adelbert, 1900–01.	*Cleveland*	98 Tilden Av.
Walter Charles McClure, A. B., Wooster University, 1901.	*Wooster*	28 Nantucket St.
Harrington Simpson,	*Akron*	38 Quebec St.
Edward P. Strong,	*Cleveland*	486 Lake St.

SECOND YEAR, 16.

FIRST YEAR CLASS.

Clarence Armbruster,	*Cleveland*	1638 Willson Av.
Edwin Clare Caldwell, A. B., Adelbert, 1902.	*Warren*	Adelbert Hall.
Frank Amadeus Carabin,	*Monroeville*	117 Adelbert St.
Edward Joseph Cherney, Denison, 1901–02.	*Cleveland*	57 Woodland Ct.
Norman Taylor Clyne,	*Cleveland*	309 Franklin Av.
Richard Emmet Collins, Ph. B., Adelbert, 1902.	*Cleveland*	1734 Woodland Hills Av.
Harry Hamlet Emmons,	*Alliance*	16 Dunham Pl.
Frank Brown Evarts, A. B., Adelbert, 1902.	*Cleveland*	29 Bellflower Av.
Reuben Alfred Ford, Kenyon, 1900–02.	*Chicago, Ill.*	2132 Euclid Av.

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George Elwood Hartshorn, B. L., Denison University, 1902.	*Newark*	117 Murray Hill Av.
William Harry Jackson, Adelbert, 1901-02.	*Cleveland*	558 Bolton Av.
Walter Albert Laughren,	*Cleveland*	1571 Woodland Av.
Kline Fetterman Leet, Ph. B., Mt. Union, 1899.	*Alliance*	86 Rosedale St.
James Metzenbaum,	*Cleveland*	1117 Case Av.
Roy Ryburn Moffett, Ph. B., Adelbert, 1902.	*Cleveland*	715 North Logan Av.
Charles Augustus Morris, A. B., Adelbert, 1902.	*Cleveland*	189 West Madison Av.
Herman Joel Nord, Ph. B., Adelbert, 1902.	*Giddings*	116 Streator Av.
George Arthur Phillips, A. B., Oberlin, 1902.	*Chardon*	The Leighton.
Carl Adolph Riemenschneider, Adelbert, 1901-02.	*Cleveland*	161 Beechwood St.
Edward Henry Sensel, A. B., Adelbert, 1902.	*Cleveland*	124 Putnam St.
John William Smith, A. B., Ohio Wesleyan, 1902.	*Cleveland*	626 Jennings Av.
Loren Edmunds Souers,	*New Philadelphia*	155 Sawtell Av.
Owen N. Wilcox, B. L., Adelbert, 1902.	*Cleveland*	59 Olive St.
James Victor Wolcott,	*East Cleveland*	72 Grasmere St.
Lawrence Emanuel Yaggi, Mt. Union, 1899–1902.	*Beloit*	314 Dunham Av.
Henry Young,	*Norwalk*	148 Murray Hill Av.

FIRST YEAR, 26.

SPECIAL STUDENTS.

Andrew Melvin Abbott,	*Bowling Green*	Cor. Wade Park Av. & Marcy St.
Milton Bejach,	*Cleveland*	72 Van Buren St.
Grant Bennett, A. B., O. N. U., 1887.	*Cleveland*	987 Doan St.
Charles Joseph Brennan,	*Dayton*	134 Murray Hill Av.
Ralph P. Buffington,	*Troy*	86 Rosedale Av.
Charles Payne Burgoon,	*Fremont*	151 Cornell St.
Homer Charles Campbell, Adelbert, 1899–1902.	*Akron*	68 Bell Av.
James Williams Carpenter, Adelbert, 1899-1902.	*Cleveland*	46 Knox St.
Roy Colwell Cool,	*Urbana*	109 Amesbury Av.

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Theobald Oliver Dakin,	*Sabina*	134 Murray Hill Av.
B. S., Wilmington College, 1900.		
Eli Edwin Doster,	*Cleveland*	117 Murray Hill Av.
Denison University, 1898–1900.		
Staney Frank Dembowski,	*Cleveland*	36 Colley St.
Walter Thomas Dunmore,	*Norwalk*	151 Cornell St.
A. B., Oberlin, 1899.		
David Franklin Felmly,	*Cuyahoga Falls*	163 Oakdale St.
Benjamin Feniger,	*Cleveland*	512 Orange St.
University of Chicago, 1900–01.		
Edward Bailey Follett,	*Marietta*	158 Murray Hill Av.
A. B., Marietta, 1900; Harvard University, 1900–01.		
Ernest True Hall,	*Lakewood*	3218 Detroit St.
Hugh Edmund Hawthorne,	*Cambridge*	809 Fairmount St.
Ph. B., Adelbert, 1900.		
Alfred High High,	*Cortland*	27 Wilbur St.
A. B., Princeton, 1894.		
John Henry Hogg,	*Cleveland*	2638 St. Clair St.
Bradley Hull, Jr.,	*Cleveland*	340 Euclid Av.
Adelbert, 1899-1902.		
William Kurzenberger,	*Cleveland*	72 Noyes St.
Roscoe Conkling McCulloch,	*Canton*	148 Murray Hill Av.
Ohio State University, 1899–1900; Wooster University, 1901–02.		
Adrian G. Newcomb,	*Berea*	Adelbert Hall.
Baldwin University, 1897–1900.		
George Albert Palda,	*Cleveland*	1655 Broadway.
Ph. B., Adelbert, 1900.		
John Howard Price,	*East Cleveland*	3475 Euclid Av.
A. B., Mt. Union, 1900.		
Leon Lewis Robinson,	*Taylor*	782 Doan St.
Charles Scott Rose,	*Mt. Blanchard*	Adelbert Hall.
Hugh Griffith Rose,	*Wellsville*	142 Cornell St.
Adelbert, 1899-1902.		
Joseph Frank Sawicki,	*Cleveland*	348 Fleet St.
St. Ignatius College, 1896–1900.		
Carl Hamilton Smith,	*Steubenville*	1465 Cedar Av.
A. B., Westminster College, 1900.		
Ralph Rensselaer Snow,	*East Cleveland*	55 Belmore Road.
A. B., Bucknell, 1894.		

SPECIAL STUDENTS, 32.

SUMMARY.

Third Year	22
Second Year	16
First Year	26
Special Students	31
	95

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REQUIREMENTS FOR ADMISSION.

Each person entering the school, whether a candidate for a degree or not, must present a certificate of good moral character.

Candidates for the degree of LL. B. must be college graduates or matriculates, graduates of high schools of approved standing, or must pass the entrance examinations given by colleges of approved standing.

Persons not candidates for a degree may be admitted to the school as special students at any time without examination upon satisfying the Faculty that they are able to carry on the work to advantage.

COURSE OF INSTRUCTION.

First Year.

Contracts. Lectures and Langdell's Cases, embracing the topics of mutual assent, consideration, and conditional contracts. Two hours each week throughout the year. Professor Hopkins.

Common Law Pleading. Lectures and Ames's Cases on Pleading, embracing demurrers, pleas by way of confession and avoidance, pleas by way of traverse, duplicity, departure, new assignment, and motions based on pleadings. Two hours each week during last half-year. Professor Howland.

Criminal Law. Lectures and Clark and Marshall's Criminal Law. Two hours each week. Professor Hadden.

Property. I. Lectures and Tiedeman on Real Property. Two hours each week. Professor Pennewell.

Property II. Lectures and Vols. I and III, Gray's Cases on Property, embracing distinction between real and personal property, nature and acquisition of rights, suits for the recovery of personal property, acquisition of rights not under former owner, transfer of rights and possession. Introduction to real property, acquisition inter-vivos, alluvion, statute of limitations, conveyance, dedication. Two hours each week. Professor Williams.

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TORTS. Lectures and Ames' and Smith's Cases, embracing trespass, disseisin and conversion, defamation, malicious prosecution, conspiracy, legal cause, negligence, contributory and imputed negligence, degrees of care, extra-hazardous occupations, liability from fire and explosives, deceit, merger, joint wrong-doers, and distinction between tort and breach of contract. Three hours each week throughout the year. Professor Herrick and Mr. Fauver.

HISTORY OF COMMON LAW PROCEDURE. Lectures and selected readings from Pollock and Maitland's History of English Law, Bigelow's History of Procedure, Maitland's Domesday Book and Beyond, Inderwick's The King's Peace, Stubb's Constitutional History of England, Coke's Institutes, Blackstone's Commentaries, and Stephen on Pleading. Two hours each week during the first-half of the first-half-year. Mr. Fauver.

SECOND YEAR.

AGENCY. Lectures and Wambaugh's Cases, embracing introductory topics, the agent's power to subject his principal to liabilities, the agent's responsibility to strangers, parties to writings, undisclosed principal, the principal's duties to the agent, delegation by an agent, termination of agency, and ratification. Two hours each week. Professor Chapman.

BILLS AND NOTES. Lectures and Ames' Cases on Bills and Notes, embracing formal requisites, acceptance, indorsement, transfer, extinguishment, obligations of parties to bills and notes, diligence, bill or note in the nature of a specialty, checks, negotiable paper other than bills, notes and checks. Two hours each week. Professor Chapman.

EQUITY PLEADING. Cases and Lectures. Two hours each week during first half-year. Mr. Green.

EVIDENCE. Lectures and Thayer's Cases, embracing preliminary topics, leading principles and rules of exclusion, qualifications and exceptions to the rule against hearsay, real evidence, writings and witnesses. Two hours each week. Professor Williams.

CODE PLEADING. Cases and Lectures. Two hours each week during last half-year. Professor Howland.

SALES. Lectures and Williston's Cases, embracing subject matter of sale, executed and executory sales, stoppage in transitu, fraud and related matters, warranty, and Statute of Frauds. Two hours each week. Mr. Green.

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WILLS AND ESTATES. Lectures and Page on Wills. Two hours each week. Professor White.

TRUSTS. Lectures and Ames's Cases, embracing voluntary trusts, language and formalities necessary to the creation of a trust, resulting trusts, oral trusts, constructive trusts, executed and executory trusts. Nature of a cestuy que trust's interest in the trust property, and the interest of a trustee. Two hours each week. Professor Williams.

CONTRACTS. Lectures and Williston's Cases, embracing impossible contracts, illegal contracts, joint obligations, discharge of contracts and assignment of contract. Also, Keener's Cases on Quasi-Contracts, embracing nature of the obligation, failure of consideration, benefits conferred without request, benefits conferred at request but in the creation or performance of a contract, recovery of money paid under compulsion and waiver of tort. Two hours each week. Mr. Wilbur.

THIRD YEAR.

CONSTITUTIONAL LAW. Lectures and Thayer's Cases, embracing constitution of government, making and changing written constitutions, the jurisdiction of the United States, citizenship, police power, eminent domain, taxation, ex post facto and retroactive laws, state laws impairing the obligation of contracts, regulation of commerce, money and war. Three hours each week. Professor Johnson.

EQUITY JURISDICTION. Lectures and Ames's Cases on Equity Jurisdiction. Two hours each week. Professor Hopkins.

SURETYSHIP AND MORTGAGES. Lectures and selected cases. Two hours each week. Professor Stearns.

DAMAGES. Lectures and Beale's Cases, embracing functions of court and jury in estimating damages, exemplary, liquidated and nominal damages, direct and consequental damages, avoidable consequences, counsel fees, certainty, compensation, damages for non-pecuniary injuries, values, interest, damages in certain actions of tort and on contracts. One hour each week during first half-year. Professor Hadden.

CRIMINAL PROCEDURE. Lectures and Beale on Criminal Procedure. One hour each week during second half-year. Professor Hadden.

PARTNERSHIP. Lectures and Ames's Cases, embracing the creation of a partnership, quasi or nominal partners, partnership prop-

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erty and the interest of a partner therein, the separate property of a partner as affected by the partnership relation, the relation of debtor and creditor between a partnership and a partner, the relation of debtor and creditor between two firms having a common member, action between a partner and one or more of his co-partners, and power of a partner to act in behalf of the partnership. Two hours each week during first half-year. Professor Howland.

CORPORATIONS. Lectures and Elliott's Cases. Two hours each week. Professor Lawrence.

COMMON CARRIERS. Lectures and McClain's Cases, embracing public callings, carriers of goods, and carriers of passengers. Two hours each week during first half-year. Mr. Wilbur.

CONFLICT OF LAWS. Lectures and assigned cases. Two hours each week last half-year. Mr. Wilbur.

PLEADINGS AND PRACTICE IN OHIO, including the drawing of deeds, mortgages, wills, etc., as well as pleadings. Two hours each week. Professor Carpenter and Messrs. Fauver and Wilbur.

LEGAL ETHICS. Lectures. One hour each week for ten weeks. Professor Hopkins.

REVIEW of subjects embraced in examinations for admission to the Ohio Bar. Four hours each week. Mr. Fauver.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

MOOT COURT WORK.

The Junior Moot Court Association of Western Reserve Law School, composed of members of the junior class, holds court weekly, sitting as a justice of the peace court, one of the professors acting as justice, with members of the class as the other court officers, attorneys, litigants, etc. The term of court is three weeks and an entirely new set of officers acts for each term, giving all the members an opportunity of becoming familiar with the duties of each office.

The cases are based upon actual facts and the trials are conducted in all respects like those in the regular courts.

The third year course in pleading and practice is conducted in part as a moot court course. Cases are tried in the manner prevailing in the common pleas court.

Special attention is paid to the several steps in the course of trial, such as summoning and impanelling jury, statement of case, examination of witnesses, taking of exceptions, making of motions, argument, preparation of charge to jury, verdict, judgment, motion for new trial, bill of exceptions and petition in error.

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EXAMINATIONS.

Candidates for the degree of LL. B. must attend the school at least two years, and must pass satisfactory examinations in all the subjects of the first year and in enough courses of the second year to aggregate ten hours a week, and of the third year to aggregate eleven hours a week. If a student is absent a year he must take the examinations in the subjects of that year at the school with the class.

At the beginning of the school year an examination on the subjects of the first year will be held for the benefit of such students as may desire to enter the second year class.

LOCATION OF THE SCHOOL.

The work of the school is carried on in a stone building of tasteful architecture erected for it on Adelbert Street opposite the Adelbert College Campus. The building contains a library and reading room, several large lecture rooms and rooms where students can meet socially. Individual lockers and other appropriate conveniences are provided for the students.

LIBRARIES.

The Law School has a library containing a large collection of the leading text-books, an almost complete collection of the English Reports, and the Reports of the Courts of last resort of every state and territory together with the reports of the Supreme and Circuit Courts of the United States. Students also have the use of Hatch Library which is located near the school and contains fifty thousand volumes. They also have free access to the Cleveland Public Library of almost one hundred and fifty thousand volumes. The library facilities offered students are therefore abundant. The Law School Library is open daily from 8 a. m. until 5:30 p. m., and on four evenings each week from 5:30 p. m. to 9:30 p. m.

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UNIVERSITY ADVANTAGES.

Students of the Law School are admitted without extra charge to such classes in Adelbert College and the Graduate School as they are fitted to enter. They also have the privilege of attending many public lectures given at Adelbert College, the College for Women, and Case School of Applied Science.

EXPENSES.

The fee for tuition is one hundred dollars a year. One-half of this fee is payable at the beginning of the university year, and the other half is payable at the beginning of the second half-year. These fees are to be paid to the Bursar within ten days of the opening of each half-year. For any part of either half-year the tuition fee is fifty dollars. No fees are charged for examination. When paid in advance the fee for the three years will be two hundred and fifty dollars.

Rooms can be secured in the vicinity of the school for from $25 to $75 per year. Table board can be secured for from $2.75 to $4 a week. Text-books used in the classes cost from $17 to $30 a year, but second-hand books can usually be procured at a considerable saving.

SCHOLARSHIPS.

A limited number of scholarships may be awarded to meritorious students during the year 1902-3.

For further information address the Dean,

E. H. HOPKINS,
Cleveland, O.

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THE DENTAL COLLEGE.

GENERAL STATEMENT.

THE Dental Department of Western Reserve University was organized by the Trustees and Medical Faculty of the University in the belief that Dental Surgery should be regarded as a branch of Medicine, and with the purpose of training students to practice it as a medical specialty. The dental students thereof continue to be instructed in several branches of medicine with the medical students. It is obvious that such an education tends to broaden the mind and give a keener insight into the basal principles of dentistry. The public also recognizes the better qualifications of a medically educated dentist.

The College is under the control of the University Trustees, and is thus in every sense a part of the University. Its Professors do not control the fees from students, nor do they accept fees for extra courses. The Dean of the College acts as Bursar for the department, to whom the fees are paid and by him transferred to the Treasurer of the University.

The College is active in its endeavors to place Dentistry upon a high plane. It therefore co-operates as a member with the National Association of Dental Faculties, the National Association of Dental Examiners, and the Institute of Dental Pedagogics, and conforms to all the rules of these Associations.

Attention is directed to the fact that there are no extra fees except as hereinafter indicated, but that the general fee

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covers the expense of laboratory courses in chemistry, histology, physiology, dissection, and bacteriology. The matriculation fee is paid only once, and there is no diploma fee. The College furnishes many instruments for the free use of the students, such as vulcanizers, extracting forceps, etc., etc., thus saving considerable expense for every student during the course.

The course is graded and admirably adapted to preparing students for the practice of dentistry. It requires four years to complete the course. The studies of the first, second and third years require seven months full attendance in each year. All of the technical work is performed in these years. The fourth year requires eight and one-half months' attendance and is devoted largely to clinical work. The Faculty have decided to require constant attendance each day in the clinics from 9:30 A. M. to 4:30 P. M. from each senior student. This gives an unusual amount of opportunity for practice, and is the outcome of a large and increasing amount of clinical material as well as the desire of the Faculty to give a thoroughly practical education.

The city of Cleveland now numbers over 400,000 inhabitants, and the Dental College is located in the center of the city. This situation insures a large amount of clinical material.

Students have free access to Adelbert Library, the Public Library, and through the proper channels they can gain admission to Case Library. The Young Men's Christian Association dining hall is open to all dental students. Excellent boarding houses are to be found in the neighborhood.

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FACULTY.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HENRY LOVEJOY AMBLER, M. S., D. D. S , M. D., 176 Euclid Av.
Professor of Operative Dentistry, History of Dentistry, and Oral Hygiene.
Dean of the Faculty.

WILL HENRY WHITSLAR, M. D., D. D. S., 700 Schofield Bldg.
Professor of Dental Anatomy and Pathology.
Secretary and Executive Officer of the Faculty.

GEORGE HENRY WILSON, D. D. S., 701 Schofield Bldg.
Professor of Prosthesis and Metallurgy.

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.
Professor of Materia Medica and Therapeutics.

GEORGE NEIL STEWART, M. A., D. Sc., M. D., D. P. H.,
Professor of Physiology. Medical College.

CARL A. HAMANN, M. D., 282 Prospect St.
Professor of Anatomy and Oral Surgery.

PERRY L. HOBBS, PH. D., Medical College.
Professor of Chemistry.

DANIEL HENDRIX ZIEGLER, D. D. S., 726 Rose Bldg.
Professor of Clinical Operative Dentistry.

FREDERICK CLAYTON WAITE, A. M., PH. D. (Harv.) Medical College.
Assistant Professor of Histology and Embryology.

ROGER GRISWOLD PERKINS, A. B., M. D., Medical College.
Lecturer on Bacteriology.

FREDERICK AUGUSTUS HENRY, M. A., LL. B., Williamson Bldg.
Lecturer on Dental Jurisprudence.

WESTON A. VALLEAU PRICE, D. D. S., M. E., 2238 Euclid Av.
Lecturer on Electro-therapeutics and Dental Electric Appliances.

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.
Instructor of Prosthetic and Operative Technics and Lecturer on Dental Anatomy.

DOUGLAS AUSTIN WRIGHT, D. D. S., 269 Cedar Av.
Demonstrator of Prosthetic Dentistry.

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JAMES FREED WARK, D. D. S., 332 Cedar Av.
Demonstrator of Operative Dentistry.

FRANK LESLIE SMITH, D. D. S., Denver, Col.
Instructor of Orthodontia.

JOHN SHELL TIERNEY, M. D., Rose Bldg.
Lecturer on Anatomy.

JOSEPH ANSON COATES, D. D. S., 45 Hough Av.
Demonstrator of Operative Dentistry.

J. CHARLES MCFATE, A. B., 739 Superior St.
Assistant in Histology.

SHANDER HARRY SOLOMONSON, B. S., 1022 Case Av.
Assistant in Histology.

JAMES A. EVANS, B. S., Medical College.
Assistant in Chemistry.

PROFESSOR GEORGE H. WILSON,
Superintendent of Laboratories and Clinics.

MISS K. G. FRANKLE,
Clerk of Operative Clinic.

MRS. D. A. WRIGHT,
Clerk of Prosthetic Clinic.

WILLIAM CARSON,
Janitor.

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STUDENTS.

SENIORS.

Arthur Andrew Bates,	*Bayard*	19 Granger St.
Charles Christian Bachman,	*Cleveland*	14 Bailey St.
Will Deville Bissell,	*Chicago, Ill.*	958 S. Logan Av.
Leroy Needham Bundy,	*Cleveland*	399 Forest St.
John William Culver,	*Rural Dale*	The Tavistock.
Harry Guy Decker,	*Cleveland*	89 Handy St.
George William Douttiel,	*Cleveland*	174 Lyman St.
Gerald Felix Doyle,	*Cleveland*	951 Cedar Av.
Frank Arthur Dunn,	*Cleveland*	207 Dunham Av.
Walter Hayes Dewey,	*Cleveland*	123 White Av.
Phillip Henry Felger,	*New Springfield*	168 Dodge St.
Albert Kenyon Friend,	*Cleveland*	1065 Pearl St.
Joseph Garold Foltz,	*Canton*	407 Prospect St.
Claude Cameron Gadsby,	*Buffalo, N. Y.*	70 Brownell St.
Albert Lorain Griffis,	*Andover*	60 The Morris.
Dwight Charles Hahn,	*Bayard*	138 Dodge St.
Edson Hill,	*Richfield*	407 Prospect St.
Willis K. Hoch,	*Belleview*	364 Bridge St.
Edward John Kocmit,	*Cleveland*	62 Petrie St.
Bertram Ward Livingston,	*Savannah*	160 Chestnut St.
Harrison Deming Lowrey,	*Mansfield*	41 Collins Pl.
Isidor Lymon,	*New York City*,	190 Greenwood St.
Clarence Elworthy Magee,	*Stratford, Ont., Can.*	701 Superior St.
Lloyd Andrew Mapes,	*Cortland*	156 Dodge St.
Frank Sumner Manchester,	*Canton*	The Tavistock.
Ralph Edward Miller,	*Bayard*	19 Granger St.
Kennedy Delyle Park,	*Painesville*	160 Dodge St.
Robert Hartley Ralston,	*Newman*	84 White Av.
Henry Stephen Rogers,	*Sandusky*	The Doan.
Frank Garfield Rummel,	*Mansfield*	138 Dodge St.
Orrin Franklin Sickman,	*Burton City*	124 Handy St.
Arthur Albert Smith, M. D.,	*Berea*	Berea.
Herman Leiter Smith,	*Trumansburg, N. Y.*	407 Prospect St.
Joseph Elmer Schultz,	*Akron*	124 Handy St.
Howard Clinton Standen,	*Cleveland*	168 Crawford Rd.
Clarence Roy Thompson,	*Cleveland*	798 Republic St.
Thomas Carry Van Pelt,	*E. Rochester*	300 Euclid Av.
Robert Lee Wilson,	*Cleveland*	Genesee Block.
Kirkum Glenn Worrell,	*Chili, Ill.*	21 Hollingsworth Ct.
John Simon Windisch, M. D.,	*Cleveland*	23 Freeman St.
Newton John Worley,	*Glenville*	The Martha.

SENIORS, 41.

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JUNIORS.

William Bell,	*Massillon*	188 Chestnut St.
Byron Hugo Bowman,	*Linesville, Pa.*	168 N. Perry St.
Arthur Ira Brown, M. D.,	*Cleveland*	225 Lawn St.
G. Humphrey Camp,	*Salem*	863 Case Av.
Leslie Merle Christie,	*Columbus, Pa.*	50 Cheshire St.
William Clarence Cooper,	*Akron*	32 Public Square.
Will Eugene Culp,	*Cleveland*	664 Castle Av.
Harry Dixon,	*Warren*	113 Chestnut St.
Andrews George Donaldson,	*Scroggsfield*	48 Wallace St.
Butler White Donaldson,	*Lorain*	Lorain.
Herbert Hamlin Dowd,	*Cleveland*	41 Kenwood St,
Otto Frank Dusek,	*Cleveland*	123 Humboldt St.
John William Frazier,	*Bridgeport*	168½ Dodge St.
James Martin Freer,	*Leamington, Ont., Can.*	508 Prospect St.
Ralph Barclay Holeman,	*Mill Village, Pa.*	91 Huntington St.
Raymond Edward Jackson,	*Grafton*	593 Scovill Av.
James Francis Kelley, M. D.,	*Cleveland*	19 Champa St.
Frank Paul Leonard,	*Bucyrus*	593 Scovill Av.
John Francis McDonagh,	*Cleveland*	449 W. Madison Av.
Robert Raymond McGeorge,	*New Galilee, Pa.*	584 W. Madison Av.
Abram Ostrander,	*Brampton, Ont., Can.*	48 Wallace.
Willis Le Roy Powell,	*Oxbow, N. W. T.*	508 Prospect St
Norval Joseph Renouf,	*Kent*	Kent.
Don Arthur Richards,	*Medina*	1086 Superior St.
Laurin Lindenberger Smith,	*Troy*	168 N. Perry St.
Wilbur Allen Smith, B. S.,	*Nova*	113 Chestnut St.
Ossip Solomonow Shube, D. D. S.,	*Russia*	632 Woodland Av.
Tyrell Strangways,	*Beeton, Ont., Can.*	508 Prospect St.
J. Menzo Simpson,	*Dresden, Ont., Can.*	968 Prospect St
Carl Henry Wadsworth,	*Cooperstown, N. Y.*	508 Prospect St.
Edwin Wendell Walker,	*Alliance*	168 N. Perry St.
Thomas Watkins,	*Youngstown*	168½ Dodge St.
Edward Arthur Womachke,	*Oxford Junction, Ia.*	155 Swiss St.
Perry W. Workman,	*Danville*	134 Sibley St.

JUNIORS, 34.

FRESHMEN.

Edward N. Allison,	*Princeton, Pa.*	811 Superior St.
James Blaine Atchison,	*Salem*	508 Prospect St.
David Boyd Bebout,	*Mechanicstown*	136 Huntington St.
Garner Terry Baldwin,	*Cleveland*	217½ Taylor St
John Rogers Bently,	*Toledo*	536 Prospect St.

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Hugh Ross Binkard,	*Urbana*	127 Huntington St.
Charles Avis Brown,	*South Newberry*	523 Prospect St.
Alex James Clark,	*Cornwall, Ont.*	508 Prospect St.
Carl Herbert Clark,	*Youngstown*	19 Riverside Av.
William Steen Deeley,	*Sandusky*	508 Prospect St.
James Burton Ellis,	*Beeton, Ont.*	508 Prospect St.
Lee Maro English,	*Autrim*	593 Scovill Av.
Don Berry Ford,	*Cleveland*	165 Cedar Av.
Nye White Goodman,	*Atwater*	1055 First Av.
Lee Everette Howk,	*Wellington*	13 Ruggles St.
William Heller,	*Orville*	794 Superior St.
Frank Henry Huff,	*Butler, Pa.*	811 Superior St.
Lewis H. Hutchins,	*Leamington, Ont.*	508 Prospect St.
Arthur Wiley Haines,	*Cleveland*	349 Huron St.
Don McKay Kent,	*Linesville, Pa.*	12 Dellenbaugh Av.
Alfred Churchill Knapp,	*Elyria*	45 Highland Av.
C. Stuart Mygatt,	*Ashland*	150 Chestnut St.
Charles Hiram Maloney, B. E.,	*Penn Line, Pa.*	70 Brownell St.
George Cubbison Mitchell,	*Grove City, Pa.*	154 Cullison St.
Charles Thomas Magner,	*Cleveland*	443 Euclid Av.
Clare K. Mattingly,	*Hinkley*	805 Superior St.
Milton Dodge Neff,	*Cleveland*	45 Archwood Av.
Edwin Deroger Phillips,	*Conneaut*	805 Superior St.
Fred Herman Rieske,	*Cleveland*	417 Jennings Av.
John Fred Risch,	*Akron*	127 Huntington St.
Geo. Alex Roy Ross,	*Melita, Manitoba, Can.*	508 Prospect St.
George William Smith,	*Cleveland*	178 Herald St.
Don Vincent Weedman,	*Nova*	374 Huron St.
Howard Garfield Weber,	*Canal Dover*	57 Sibley St.
Clarence Everett Webster,		374 Huron St.
Harris Reid Cooley Wilson,	*Cleveland*	74 Burt St.
Merrill Ladrew Winger, A. B.,	*Hayesville, Pa.*	798 Republic St.
Frank Zavodsky,	*Cleveland*	9 Vergennes St.

POST GRADUATE.

Herman B. Rosenwasser, D. D. S., 722 Woodland Av.

SUMMARY.

Seniors	41
Juniors	34
Freshmen	38
Post Graduate	1
Total	114

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REQUIREMENTS FOR ADMISSION.

Each candidate for admission must be at least eighteen years of age, and must furnish to the Secretary at the time of matriculating a certificate of good moral character. The rules for admission and graduation are such as obtain in the National Association of Dental Faculties, of which the College is a member.

The minimum preliminary education required of entrance is a certificate of entrance into the third year of a high school, or its equivalent.

Those who are unable to provide certificates are subject to an examination given by an examiner appointed by the State School Commissioner. An examination which covers the branches required in the first two years of a high school will be given to those who do not present certificates. A list of the studies will be sent to any desiring to prepare for the entrance examination.

This College does not receive women students.

ADMISSION TO ADVANCED STANDING.

Students from recognized dental colleges who present certificates of attendance upon one full course of lectures of at least seven months, and give evidence satisfactory to the heads of the respective departments that they have a good knowledge of the work of the first year will be admitted to the second. Graduates of reputable medical colleges will also be admitted to the work of the second year and will be excused from lectures and examinations upon general anatomy, chemistry, histology, physiology, pathology, materia medica and therapeutics. They will be required, however, to take the courses in operative and prosthetic technics, dental pathology and histology.

Applicants for admission to advanced standing from European schools are required, like other applicants, to furnish properly attested evidence of study and of attendance

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upon lectures, and they must pass the intermediate examinations. It is required that students from foreign countries present certificates from a member of the Advisory Committee located in the country from which they come. Students from recognized dental schools may enter the senior class only upon evidence of having completed work equivalent to that of the previous year's in this school.

Special Notice.—According to a rule of the National Association of Dental Faculties credit for a full term cannot be given to students who enter more than *ten* days after the opening of the session. But if any student is prevented by sickness from entering within the ten days, and if his sickness is properly certified to by a reputable practicing physician, he can enter not later than twenty days from the opening of the session. Students are requested to be present on the opening day.

Applications for admission may be sent any time to the Secretary, Dr. W. H. Whitslar, 700 Schofield Bldg., who will cheerfully answer any inquiries about the school. As chairs in the operatory and places in the laboratory are selected in the order of matriculation and payment of fees, it is advisable that students should have their names registered as early as possible. Names can be registered at any time for the following session. Sophomores, Juniors and Seniors of this college are not required to pay a marticulation fee.

COURSE OF STUDY.

The session for 1903-1904 begins on Thursday, October first, and closes on Thursday, June 17.

Special Notice.—Beginning with this session a four years' course of study will be instituted. This will be in conformity with the rules of the National Association of Dental Faculties.

The students of the first, second and third year complete the required work in seven months.

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The following table shows the work required in each year and the number of hours a week in each subject.

FIRST YEAR.

	HOURS PER WEEK.
Chemistry	3—lectures. 6—laboratory.
Osteology	2.
General and Dental Histology	1—lecture. 4—laboratory.
Prosthesis	2—lectures. 17½—laboratory.
Dental Anatomy	1.

SECOND YEAR.

Anatomy—Descriptive	4.
Reginal Anatomy	1.
Physiology	2.
Crown and Bridge Work	1.
Operative Technics	12½.
Prosthetic Technics	15.
Prosthetic Clinics	15.
Dissection	
Physics	1.

THIRD YEAR.

Metallurgy	1.
Orthodontia Technics	12½—6 weeks.
Bacteriology	9—6 weeks.
Dental Pathology	1.
Embryology and Comparative Odontology	2.
Materia Medica	1.
Operative Dentistry	2.
Operative Clinics	21.
Prosthetic Clinics	12½.

FOURTH YEAR.

Operative Dentistry	2—4 months. 3—4 months.
Operative Clinics	21.
Materia-Medica and Therapeutics	1.
General Pathology	1.
Oral Surgery	1.
Anæsthetics	1.
Jurisprudence	1.
Dental Electricity and Therapeutics	1.
Physical Diagnosis	1.
Applied Physics	1.
Neurology	1.
Ceramics	1.
Dental History	1.
Oral Hygiene	1

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METHODS OF INSTRUCTION AND DESCRIPTION OF COURSES.

The methods of instruction consist of lectures, recitations, demonstrations, clinics, and practical work in the chemical, physiological, histological, and bacteriological laboratories. Complete courses are given in the technic of operative and prosthetic dentistry, as well as in orthodontia and steel. Clinical material is abundant and in great variety. Anatomy, chemistry, physiology and histology are studied in the Medical College. With the general work in these subjects special instruction for dental students is interwoven.

During the hours for clinics the demonstrators in charge devote their whole time to the work of instruction. It will be seen that this method gives each student constant *personal attention.* All practical work must be performed in the College, and every effort is made to prevent students from practicing dentistry illegally. Regular attendance at all the courses of instruction and clinics is required. No student is excused from the technic or practical courses.

ANATOMY.

PROFESSOR HAMANN, DR. TIERNEY.

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations and recitations. In accordance with the needs of dental students especial attention is given to the anatomy of the head, neck and alimentary canal. In order to facilitate the work in osteology, students of the first year are provided with separate bones, which they are permitted to take home for purposes of study. For demonstrations upon the cadaver and anatomical preparations, the second-year class is divided into sections, in order that individual students may have every opportunity of becoming familiar with the various parts of the body, and of receiving direct personal instruction. Text-book, Gray's Anatomy.

PRACTICAL ANATOMY.

The advantages offered for the study of practical anatomy are very complete. The anatomical room is well lighted, and perfectly heated and ventilated. It has twenty-four tables, and is furnished with hot and cold water, elevator and every convenience for successfully conducting the work of dissection. Dissections are made under the immediate direction of the professor of anatomy.

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PHYSIOLOGY.

PROFESSOR STEWART.

Two lectures a week are given to the students of the second year. The lectures are illustrated by experiments in the class-room and demonstrations in the laboratory. The properties of the circulating liquids of the body, blood and lymph, having been first described, the mechanical and physiological factors concerned in the maintenance of the circulation are studied in detail. The physical and chemical phenomena of respiration and the relation of the nervous system to the respiratory mechanism are next taken up. Then follows an account of digestion, including the secretion of the digestive juices and their action on the food substances, the movements of the stomach and intestines, and the influence of nerves on the functions of the alimentary canal. The absorption of the digested food into the blood-vessels and lacteals, the changes which the absorbed substances undergo in the body, and the channels by which the waste products are excreted form the next division of the subject. A general view is then taken of the statistics of nutrition and metabolism (including Animal Heat), from which the rules governing the constitution of dietaries are deduced. The general physiology of muscular and nervous tissues having been treated of, the physiological anatomy and functions of the brain and spinal cord are described at length. A brief account of reproduction and development completes the course.

Care is taken to emphasize the special importance to the dental student of such subjects as the secretion of the saliva, the formation of salivary concretions, and the mechanism of mastication and of articulation. Text-book, Stewart's Manual of Physiology.

HISTOLOGY.

ASSISTANT PROFESSOR WAITE, MR. MCFATE, MR. SOLOMONSON.

The course includes a study of the fundamental mammalian tissues, followed by a study of the finer anatomy of the principal organs. Especial attention is given to the structure of bone, teeth, salivary glands, and the structures connected with the mouth cavity. Each student stains and mounts the sections which he studies and these remain his property. The expense to each man for slides and material is about two dollars. A deposit of two dollars to cover breakage, which is returnable at the end of the course, is required. Two two-hour laboratory exercises and one recitation per week until February 1st, Freshman year. This course will probably be somewhat longer in 1903-04.

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DENTAL EMBRYOLOGY AND HISTOLOGY.

PROFESSOR WHITSLAR.

The subject of histology is of so much importance to the dentist that notwithstanding the subject is thoroughly taught to the dental classes by the professor of histology in the medical department, the Faculty continue to have this instruction duplicated, in part, in the Dental College. In addition are some comparative studies of the teeth.

The import of this course is to give the student an insight to the practical uses of this study, and to inspire further investigation.

CHEMISTRY.

PROFESSOR HOBBS.

Much care and attention have been devoted to the thorough arrangement and equipment of the chemical laboratory and lecture room according to modern methods. The course includes a series of illustrative lectures on inorganic and organic chemistry, showing their relationship to dental, medical and sanitary science, and laboratory practice. The latter offers the student advantages in acquiring chemical manipulations and favors his acquaintance with the principles of chemistry. Five hours a week throughout the year are given to the work.

Special or advanced students will also be furnished the means for original work or research, under the guidance of the instructor. Text-book, Witthaus' Chemistry.

OPERATIVE DENTISTRY.

PROFESSOR AMBLER.

In this department the teaching is partly accomplished by means of lectures and quizzes which constitute a systematic and progressive course, beginning with a concise history of ancient and modern dentistry, followed by a careful presentation of the most useful methods, appliances and materials employed in filling teeth, together with the basal principles which make operative dentistry a positive science. The hygiene of the mouth, teeth, artificial dentures, crown, and bridge-work will also be considered.

In the senior year, the operatory offers to the students an opportunity to become acquainted with the details of office practice; here he can apply the art of filling teeth, and have some opportunity for observing the relative value of different methods and materials; being advanced from simple to complex operations so fast as his

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proficiency will justify. Each senior is allowed to operate for twenty-one hours weekly; thus he can develop his brain and hand in acquiring thoughtful manipulative skill.

Text-book: American Text Book of Operative Dentistry. Ambler's Tin Foil and its Combinations for Filling Teeth.

DENTAL ANATOMY—OPERATIVE TECHNICS.

DR. KENYON.

One hour each week is given to dental anatomy in the Freshman year. The work is carried on principally by the recitation method and lessons are regularly assigned for each meeting of the class. The subject is thoroughly illustrated both by drawings and large models. Especial attention is given to pulp chambers and root canals, and their relation to the various surfaces of the teeth.

The course in operative technics in the second year consists in lectures and technical training in the laboratory. The lectures cover the technical methods of treating the various conditions found in pulp chambers; instrumentation, classification and measurements of operating instruments; classification and forms of cavities; and filling materials.

The technical training includes treating and filling root canals in extracted teeth, excavating a large number of typical cavities representing each class in rubber tooth forms, filling these cavities with the various filling materials, and exercises in engine technic upon extracted teeth.

NOTE.—The operations in the technic department require a great number of natural teeth, and as it is difficult to procure a sufficient number, it would be to the interest of every student to obtain as many as possible before he returns for the work of the second year.

PROSTHESIS AND METALLURGY.

PROFESSOR WILSON.

Two lectures a week are given upon prosthesis, to the students of the first year, and two lectures a week upon crown and bridge-work and metallurgy, to the students of the second year.

The aim is to make this department thoroughly practical, to elucidate the mechanical and artistic principles as well as the science involved.

The technic laboratories are conducted under the guidance of this chair. American Text Book of Prosthetic Dentistry, Essig's Metallurgy fourth edition.

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TECHNIC LABORATORIES.

PROFESSOR WILSON, AND DOCTORS KENYON AND WRIGHT.

There are two dental laboratory class-rooms, one for students of the first, and one for those of the second year; each room is provided with sixty benches and with a platform furnished with complete laboratory appliances. There is also a dental laboratory furnished with lathes, plaster, and apparatus for molding and casting. There is a specially fitted forge room. Every effort is made to have the methods of instruction as practical as possible. Comprehensive and progressive technic courses are given in impressions—vulcanite, celluloid, cast metal, aluminum, gold, continuous gum (optional), crown and bridge-work, steel and orthodontia.

Seventeen and one-half hours a week for nearly two years are devoted to this work.

PATHOLOGY.

PROFESSOR WHITSLAR.

This course covers a description of general and special pathology. It consists of an investigation of the principles of pathological processes, their histological changes and effects upon the organism. Dental pathology is elucidated and the general subject treated so as to make the subject one of practical utility. The decay of teeth and inflammation of the dental pulp and pericementum receive special attention. Diseases of the mouth are also discussed. The lectures commence in the Junior year and are continued to the end of the Senior year. Text-books: Marshall's Injuries and Surgical Diseases of the Face, Mouth and Jaws; Burchard's or Barrett's Dental Pathology.

MATERIA MEDICA AND THERAPEUTICS.

PROFESSOR VAN DOORN.

An intelligent knowledge of the properties and application of medicaments is so important that dental students should be as well grounded in this as in anatomy and physiology. The course consists of a series of comprehensive lectures upon all important drugs, with especial illustrations of their use in dentistry. The methods of administration and application are described in detail. The aim is to make these lectures of great practical value. Text-book: Gorgas' Dental Medicine.

ORAL SURGERY.

PROFESSOR HAMANN.

Instruction in this branch will be given by means of lectures, clinics, and recitations. The aim is to furnish the student an opportunity of acquiring a practical knowledge of this department of surgery.

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The principles underlying the treatment of pathological conditions of the mouth and jaws will be considered. Wounds, fractures, tumors, ulcers and congenital defects are among the subjects to be discussed, especial attention being devoted to diagnosis. Dental students have access to the various hospitals. Marshall's Text Book on Diseases and Injuries of Jaw and Mouth.

ANAESTHETICS.

PROFESSORS HAMANN AND ZIEGLER.

The subject of anæsthetics is elucidated by special instruction. Professor Hamann describes and illustrates the uses of chloroform and ether in surgical operations about the mouth, and also the dangers that may arise. Professor Ziegler presents the subject of anæsthesia from nitrous oxide gas and its combinations with other elements, also the uses of local anæsthetics.

Realizing the danger of anæsthetics, great care is bestowed upon the teaching of these subjects; so that no mistakes will be made. The clinics afford the students abundant experience in this college.

BACTERIOLOGY.

DR. ROGER G. PERKINS, A. B., M. D.

The students will take up the various organisms which are found in the buccal cavity in health and disease, including those concerned in dental decay. The preliminary studies will deal with the chromogenic organisms, until the students have acquired the necessary technique, when the bacteria peculiar to the mouth and those which use the mouth as a portal of entry in lesions of the buccal cavity or more general infections will be carefully investigated.

Special instruction will be given as to the proper methods of sterilization of instruments, and asepsis in dental surgery. Microscopical sections of decayed teeth will be given out to the students, and stained to illustrate the invasion of the tissues by the bacteria of dental decay.

ORTHODONTIA.

DR. FRANK L. SMITH (Denver, Col.)

The course in orthodontia consists of lectures, technic work and practical cases.

The didactic instruction is given by Dr. Smith and is supplemented by the demonstrator who has direct care of the practical and technic work. The lectures are illustrated by lantern slides, models and various appliances especially constructed for the purpose of instruction.

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The technic course is for the juniors and consists in the construction of material and a technic apparatus which is to be considered in the final senior examination in this branch. The practical work is done by senior students and offers great advantages, for the clinical material is abundant. Various methods of correcting irregularities of the teeth are considered and their use and value explained.

Junior students attend the regular course of lectures which are given to the senior students in this department.

JURISPRUDENCE.

F. A. HENRY, M. A., LL. B.

The legal responsibilities by dental practitioners and also the relations of the public to the dentist are clearly explained by the professor of this department. A knowledge of the subject of dental law is required in the course of instruction, and an examination at its close is given.

ELECTRICITY.

DR. PRICE.

A thorough course of instruction is given in electro-physics and electro-chemistry, and the practical application of their principles in the processes employed in dentistry. It includes lectures, laboratory experiments and clinical demonstrations. Cataphoresis will be given special consideration and the various current controllers and milliameters are studied by the students and thoroughly demonstrated clinically. The bleeching of teeth by means of electric currents with various agents, the treatment of pyorrhea alveolaris and aveolar abscess, and the use of the X Rays for locating unerupted teeth are elucidated. Instruction is also given in the construction and management of electric dental engines and motors, methods of controlling various kinds of currents, the galvanic effect and electrolytic products of various filling materials in the mouth, etc. Students should be familiar with the general principles of electricity before commencing the course. Text-book: Meadowcraft's A. B. C. of Electricity.

DENTAL CERAMICS.

PROFESSOR WILSON.

A special course of instruction in dental ceramics is provided for those who desire to study this subject, but it is not obligatory. The course includes all varieties of porcelain work that the dentist requires to use and is amply illustrated. Where students are able to provide materials of their own extra instruction is given free of charge.

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CLINICS.

The operative and prosthetic clinics provide all kinds of clinic material. The prosthetic clinic is open from 9:30 to 12 a. m., and the operative clinic is open from 1 to 4:30 p. m. In the first year the entire time is devoted to technic courses in prosthesis. In the second year technic courses are given in crown and bridge-work, also orthodontia. After these the student is assigned to practical cases of artificial dentures as well as operating in the mouth. It is necessary, however, to complete the operative technic course before cases are assigned in the operatory. In the third and fourth year the course is made as practical as possible. The morning clinic is devoted entirely to prosthetic work, crowns and bridges, and orthodontia. The afternoon clinic is devoted entirely to the filling of teeth, extracting, and the various surgical operations that can be performed in the college without hospital attendance. The extensive operations are performed in the hospital. Thus students are provided with an exceptionally large amount of actual clinical experience. The many clinical cases afford an excellent opportunity for the use of anæsthetics. In rotation the students are assigned to extracting and the use of anæsthetics under the immediate supervision of a skilled demonstrator. Every student thus gains experience that prepares him for actual practice. The location of the college in the heart of the city, where the street cars center, enables the college to have an unusual advantage in securing a large clinic.

Students are required to attend all clinics daily and perform operations faithfully. At the opening of the session each senior has a chair assigned to him.

TEXT-BOOKS.

First Year: Gray's Anatomy, Schaeffer's Histology, Witthaus' Chemistry, American Text-Book Prosthetic Dentistry, Broomell's Anatomy and Histology of the Teeth and Mouth.

Second Year: Stewart's Physiology, Essig's Metallurgy, Burchard's or Barrett's Pathology.

Third Year: Marshall's Injuries and Diseases of Face, Mouth and Jaws, Gorgas' Dental Medicine, American Text-Book Operative Dentistry, Ambler's Tin Foil and its Combinations for Filling Teeth, Meadowcraft's A. B. C. of Electricity.

Books of Reference: Dictionary, Gould; American System of Dentistry; Garrettson's Oral Surgery; Week's Operative Technics; Evan's Crown and Bridge Work; Mitchell's Dental Chemistry; Miller's Micro-organisms of the Mouth; Eckley's Anatomy of the Head and Neck; Cryer's Internal Anatomy of the Face; Cigrand's History of Dental Prosthesis.

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GENERAL INFORMATION.

TERMS AND VACATIONS.

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a holiday vacation of two weeks, beginning on December 20th. No College exercises will be held on Thanksgiving Day or Decoration Day.

THE DENTAL BUILDING.

When the College of Dentistry was established in 1892, rooms were assigned to it in the building erected by Mr. John L. Woods for the Medical College; but the work in both dentistry and medicine has been so much extended and the number of students in each department has so rapidly increased, that the Trustees of the University have provided separate accommodations for the Dental School in the new and handsome Bangor Building, situated next to the Young Men's Christian Association's building on Prospect Street. Already seven sessions have been held in the new building, and they have proved its facilities to be excellent. Each room has perfect light and ventilation. The laboratories, one for the Freshmen and one for the Juniors, with an adjoining room for both classes, are arranged for an advanced system of teaching. There is also a clinical laboratory for the Seniors and Juniors. Each room contains a complete laboratory equipment. Many tools and instruments are provided for the students without charge. The operating room contains forty chairs and is fully equipped. The surgical and extracting room contains a standing amphitheatre. The building has been planned to accommodate one hundred and fifty students. When this number is reached, admission to the Freshman class will be by a suitable method of competition. It is advised that students matriculate early.

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DENTAL MUSEUM AND LIBRARY.

A Dental Museum and Library is being formed. It is earnestly requested of those who have specimens or literature of any interest to dental students, that they make contributions. Each specimen and book receives proper care, and credit is given the donor.

DEGREE.

The degree of *Doctor of Dental Surgery* is conferred upon all students not under twenty-one years of age, who have satisfactorily completed the required course of study, paid all required fees, passed all examinations, performed such practical operations in the operative and prosthetic departments, as may be required, and conformed with such other regulations as the faculty may prescribe. Graduates of Dentistry of other institutions are required to attend one full course and comply with all the regulations to the senior year in order to receive a degree from Western Reserve University. Candidates who attain a general average of ninety per cent. in all their examinations receive honorable mention.

FEES AND OTHER EXPENSES.

The fees are as follows: (1) Matriculation fee of five dollars. This is paid only once. (2) An annual fee of one hundred dollars, is payable at the opening of the term. These fees are not returnable.

Students who cannot pay the whole amount on the opening day may pay fifty dollars. After January 10 of the college year there will be *fifty-five dollars* due, providing the whole amount is not paid on that date. (3) An annual examination fee of ten dollars, due April 1.

Students who desire to pay for the entire four years' course by December 1st of the first year will be allowed a reduction of fifty dollars on the whole amount. There is no diploma fee. No fee is required for any of the laboratory courses or dissection.

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EXAMINATIONS.

No student is permitted to present himself for examination who has not paid all dues. A fee of ten dollars for examinations is required April 1st.

Students who have failed in any branches are given an opportunity for a second examination, but it shall not be later than December 1st in the succeeding year. A student may register in the succeeding year but will not be allowed to continue in it after December 1st if he is deficient in more than two branches.

A fee of two dollars is required for a re-examination. A second re-examination can only be given with the consent of the faculty.

There are no scholarships or special prizes.

Students are liable for breakage in the chemical and histological laboratories. An expense of about two dollars for miscroscopic slides is necessary in the first year, but they remain the property of the student.

No student is permitted to enter the laboratories and operatory until he present a receipt for fees, and also is provided with the necessary equipment of instruments and tools. books and instruments can be bought within a short distance of the college.

The College fees are paid to the Dean.

The expenses for each year, including fees, are as follows:

FIRST YEAR.

Matriculation (paid only once)	$ 5 00
Tuition	100 00
Instruments	26 00
Books	24 00
Examination at close of term	10 00
	165 00

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SECOND YEAR.

Tuition	$100 00
Instruments, including engine, about	90 00
Books	11 00
Examination at close of term	10 00
	211 00

THIRD YEAR.

Tuition	$100 00
Books	17 50
Examination at close of term	10 00
	127 50

FOURTH YEAR.

Tuition	$100 00
Examination fee	10 00
No Diploma Fee.	
	110 00

Good board may be had from $2.50 to $5.00 a week; good accommodations for board and lodging, from $4.00 a week and upwards. Students applying to the Janitor, William Carson, at the College building, as soon as they reach the city, will be directed to reliable boarding houses, of which he has a carefully prepared list.

SOCIAL LIFE.

The College seeks to surround its students with the best influences, and the Faculty therefore encourages them to exert their talents in commendable directions. During the session of 1896-97 a flourishing dental society was organized for the purpose of placing serious responsibilities upon the students, and of inculcating true professional ideas. Each

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year this society elects its own officers and the president is made Curator of the College Museum, which office he holds during his Senior year. A musical club is one of the interesting organizations to those musically inclined. Other societies and organizations exist among the students. Many of the students become members of the Young Men's Christian Association, whose building is next door to the College, and thus have use of a fine gymnasium and other means of amusement and recreation. A special rate of membership is made to students. There is a branch association of the Y. M. C. A. formed among the dental students. They hold meetings weekly.

For further information, address the Secretary of the Faculty, DR. W. H. WHITSLAR, 700 Schofield Bldg., Cleveland, Ohio, who will cheerfully answer all inquiries.

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GRADUATES.

WESTERN RESERVE UNIVERSITY DENTAL COLLEGE.

1894.

Anderson, C. A. H., M. D.....Cleveland.
DeUrfae, G. O.....Perry.
Mitchell, H. B.....Canton.
Riggs, J. F. H.....Pittsburgh, Pa.

1895.

Acker, F. H .....Cleveland.
Bleasdale, L. L.—(deceased)
Buchtel, A. P.....Akron.
Burrows, J. H.....Cleveland.
Glas, J. W ....Parker's Landing, Pa.
Kennedy, G. A .....Kent.
Mollen, D. E.....Cleveland.
Parsons, P. O .....Cleveland.
Rosensteel, J. J.....Cleveland.
Sherman, W. W.....Willoughby.
Spargur, F. J.....Cleveland.
Stevenson, D. R.....Hubbard, O.
Suhr, R. A.....Cleveland.
Vinez, L. S .....Louisville, O.
Wallace, R. D .....Scio, O.
Wasser, G. N.....Cleveland.
Zoeckler, H. J.....Pittsburgh, Pa.

1896.

Ebersole, W. G.....Cleveland.
Haldy, W. O .....Cleveland.
Fagan, F. H .....Cleveland.
George, J. W .....E. Liverpool, O.
Hurd, C. E.....Cleveland.
Thomas, J. L.....Greenfield, O.
Van Meter, J. S .....Galion, O.

1897.

Anderson, F. S.....Richmond, Ind.
Armstrong, L. S .....Cleveland.
Baldwin, C. R.....Cleveland.
Beal, M. J.....Guy's Mills, Pa.
Beal, W. L.....Mars, Pa.
Blair, C. F .....Sandusky, O.
Bolton, W. D.....——
Bosworth, L. L .....Cleveland.
Davis, C. W.....Cleveland.
Dixon, W. R.....Cleveland.
Fairbanks, D. H .....Cleveland.
Fink, C. A .....Smithville, W. Va.
Grose, E. F .....Wellington, O.
Higgins, A. L.....Bucyrus, O.
Honeywell, W. C.....Scranton, Pa.
King, H. M.....Pittsburgh, Pa.
Ludwick, F. L.....Glenville O.
Megginson, W. M .....Toledo.
Miles, F. L.....Cleveland.
Moyer, W. H.....Montevidio, Minn.
Moran, F. A .....Cleveland.
Morrison, M. H.....Cleveland.
Osborne, J. A .....Hudson, O.
Parker, R. W .....Cleveland.
Parsons, A. L.....Cleveland.
Ramaley, M. C.....Cleveland.
Spargur, W. F.....Wellsville, N. Y.
Stephan, W. J.—(deceased)
Smith, W. P.....Cleveland.
Saunders, B. E .....Elyria, O.
Wallace, C. F.....Allegheny, Pa.
West, F. L.....Cleveland.

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1898.

Chapman, F. P.....Cleveland.
Dudgeon, F. O .....Cleveland.
Draime, C. S.....Canton.
Edson, C. R.....Cleveland.
Elder, C. D.—(Deceased).
Englander, I .....Cleveland.
Fisher, A. C.....Syracuse, N. Y.
Gillen, W. W.....Youngstown.
Haight, P. T.....Oakland, Ia.
Hervey, G. E..... .....Mt. Vernon.
Johnson, T. B.....Cleveland.
Keck, H. E.....Akron.
Kelley, F. R .....Ashtabula, O.
*Kenyon, H. C.....Cleveland.
Maddock, P. E .....Elyria.
Matthews, F. R.....Salem, O.
McDill, J. W.....Cleveland.
McGannon, J. A.....Dayton.
McGannon, F. J.....Cleveland.
Noland, F. F .....Big Plain.
Quirk, E. E.....Detroit, Mich.
*Reeves, J. B.....Orwell.
Renkert, O. W .....Akron.
Rogers, E. B.....Wilkesbarre, Pa.
Rybak, J. F .....Cleveland.
Sprague, P. E.....Youngstown.
Wallace, R. H.....Cleveland.
Vincent, L. C., Ph. B.....Ravenna.

1899.

Allison, G. E.....Akron.
Andrews, R. W .....Pittsburgh.
Apple, A. D .....Meadville, Pa.
Atwater, A. L .....Sandusky.
*Auxter, L. D.....Oak Harbor.
Baldwin, H. A.....Wadsworth.
*Barnes, V. E .....Cleveland.
Bridgeman, G...New Martinsville, W. Va.
Costello, W. E.....Cleveland.
Eaby, H. P.....Wooster.
Finch, L. L.....Oberlin.
Gilmore, S. T.....Youngstown.
Grossman, E.....Cleveland.
Gunn, F. J.....Cleveland.
Hatch, S. E .....Cleveland.
Kelley, J. C .....Geneva.
*Mistr, J .....Cleveland.
*Mottinger, C. C .....Akron.
Nash, J. K..... Youngstown.
Norton, E. L.....Madison.
Olds, F. L.....Cleveland.
*Rupert, J. A .....Meadville, Pa.
Stevenson, F. W.—(deceased)
Stewart, C. R .....London, Eng.
Taylor, C. E .....Cleveland.
Van Dorsten, O. J .....Canton.
Weaver, S. M .....Cleveland.
Webber, J. B.....Medina.
White, C. N .....Cleveland.
*Wright, D. A.....Cleveland.
*Ziegler, D. H .....Cleveland.

1900.

Bishop, F. L .....Cleveland.
Borland, R. G.....Conneaut.
Boylan, L. D.....Newton Falls.
Bunn, J. D .....Salineville.
Burkhart, W. R., M. D .....Cleveland.
Clapp, H. M .....Utica, N. Y.
Currie, R. E.....Eldred, Pa.
Darrah, H. C .....Cleveland.
Diffenbacher, W. F .....Pt. Clinton.
Doyle, J. T .....Cleveland.
Duffy, E. B.....Taunton, Mass.
Dusek, J. L.....Cleveland.
Eggert, F. G .....Cleveland.
Elder, F. B .....Bellevue, Pa.
Fuenfstueck, G. T .....Wausan, Wis.
Gilmore, J. I., M. A.....Youngstown.
Haas, P. A.....Cleveland.
Hall, W. C .....Lorain.
Jacobs, D. R .....Youngstown.
Jones, T. J .....Cleveland.
Lindhorst, R. H.....Cleveland.
Morris, W. A .....Cleveland.
Nichols, W. A .....Medina.
Osborne, A. O.....Cleveland.
Schneider, O. J .....Cleveland.
Smith, C. L.....Cambridge Springs, Pa.
Stentz, F. L.....Shelby.
Terry, T. H .....Cleveland.
*Tiffany, W. B.....Clyde.
Wark, J. F.....Cleveland.

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1901.

Aldrich, L. D .....Cleveland.
Belden, R. E.....Cleveland.
*Chamberlin, R. B.....Twinsburg.
Chapin, W. F .....Cleveland.
Endle, A. J .....Elyria.
Finch, F. W .....Richford, N. Y.
Fletcher, C. B.....Geneva.
Gillette, J. B.....Cleveland.
*Gillie, W. J .....Cleveland.
Gougler, C. V.....Inland.
Henahan, J. P.....Cleveland.
Henninger, D. H.....Akron.
Hitchcock, G. F .....Jefferson.
Holmes, H. C.....Cleveland.
Maxwell, A. W.....Cleveland.
Payne, A.....Mantua.
Rice, S. W.....Cleveland.
Rogers, G. C .....Cleveland.
Shepherd, C. O.—(deceased)
Sproul, W. A .....Plain Grove, Pa.
Strong, H. F.....Cleveland.
Wallace, A. B .....Mercer, Pa.
Wasson, L. F .....Cleveland.

1902.

Brewster, W. R.....Chagrin Falls.
Carbon, G. L .....Ashtabula.
Chambers, E. E .....Warren.
*Coates, J. A.....Cleveland.
Davis, R. E.....Cleveland.
De Arment, L. L .....Conneaut Lake
Duff, A. L .....Lakeside.
Fairbanks, J. W .....Youngstown.
Graff, W. B., M. D .....Cleveland.
*Graham, H. D .....Mercer, Pa.
Hawn, C. B.....Youngstown.
Irwin, G. H .....Calcutta.
Kitzsteiner, R .....Cleveland.
Leonard, R. N .....Bellevue.
Leonard, W. M .....Ft. Wayne, Ind.
Line, C. E .....Rochester, N. Y.
McConkey, J. C .....Canton.
McKerrall, J .....Cleveland.
McLean, J. C.....Carleton Pl., Ont., Can.
Messecar, L. A.....Green Springs.
Nicholson, A. W.....Sandusky.
Patterson, T. G .....Norwalk.
Plant, A. C .....Wheeling, W. Va.
Reisser, O. H.....Cleveland.
Rosenwasser, H. B.....Cleveland.
Sadler, R. E .....Cleveland.
Saum, I. M.....Cleveland.
Spieth, W. O.....Warren.
Strong, O. F.....Carleton Pl., Ont., Can.
Wearstler, H. O.....Wadsworth.
Wood, A. L .....Lorain.

*Honorable Mention.

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THE SUMMER SCHOOL, LECTURES TO TEACHERS.

There is also held in June or July of each year a Summer School. The first session occurred in June, 1902. Among the topics considered were:

Growth and Heredity in their relations to Education.
Race Pedagogy or the Education of Primitive Peoples.
Motor Education.
The Study of Nature.
Supervision.
School Management.
The Philosophy of School Processes.
The Meaning and Aim of Education.

Among the lecturers were:

PRESIDENT G. STANLEY HALL, Clark University.
MISS SARAH L. ARNOLD, Dean of Simmons College, Boston.
PROFESSOR M. V. O'SHEA, University of Wisconsin.
SUPERINTENDENT LEWIS H. JONES, Cleveland.

The enrollment was one hundred and seventy. A similar school will be held in the summer of 1903.

Courses of lectures for teachers are also offered in the University. A course in the current year, given by Professor W. H. Hulme on "The Historical Development of English Literature to the Beginning of the Nineteenth Century" was taken up by seventy-two teachers from the public schools of Cleveland. A course by Professor Henry E. Bourne on "Aspects of European History Important to Teachers of American History" enrolls one hundred and two teachers.

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GENERAL SUMMARY.

TRUSTEES, INSTRUCTORS AND OTHER OFFICERS.

TRUSTEES.		
Western Reserve University only	7	
Adelbert College only	7	
Members of Both Corporations	18	
	—	32
ADVISORY COUNCIL (College for Women)	29	
Corresponding Members	15	
	—	44
INSTRUCTORS.		
Professors	57	
Associate Professors	4	
Assistant Professors	5	
Lecturers	11	
Instructors	14	
Demonstrators	26	
Assistants	19	
Non-Resident Lecturers (1901-1902)	4	
	—	140
Librarians and Library Assistants	4	
Other Officers	9	
	—	13
Total		153

STUDENTS.

Adelbert College	212
The College for Women	244
The Graduate School	20
The Medical College	95
The Law School	95
The Dental College	114
Total	780

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APPENDIX.

DEGREES CONFERRED AT COMMENCEMENT, 1902.

ADELBERT COLLEGE.

BACHELORS OF ARTS.

John Alvin Alburn,
(*magna cum laude*),
Wilfred Henry Alburn,
(*magna cnm laude*),
Edwin Clare Caldwell,
Claude Leroy Difford,
(*cum laude*),
Clarence Earl Drayer,
(*magna cum laude*),
Frank Brown Evarts,
(*magna cum laude*),
Harry Lindsley Findlay,
Henry Leonard Mack,
Ralph Woodward Mead,
Charles Augustus Morris,
(*magna cum laude*),
Herbert Gans Muckley,
(*summa cum laude*),
Walter Worthington Nims,
Edward Peterka,
William Harper Rider,
Edward Henry Sensel,
(*magna cum laude*),
Miles Reuben Southworth,
(*magna cum laude*),
George Taylor,
Lewis Blair Williams,
(*magna cum laude*),
Oliver Amos Wright.

BACHELORS OF LETTERS.

Joseph Warren Conner,
Daniel Robert Fairfax,
Robert Thompson Gage,
Raymond Hobart,
George William Saywell,
(*magna cum laude*),
Frederick William Uhlman,
Owen N. Wilcox,
(*magna cum laude*).

BACHELORS OF PHILOSOPHY.

Richard Emmet Collins,
(*magna cum laude*),
John Fish,
(*cum laude*),
Charles Samuel McKee,
Roy Ryburn Moffett,
Herman Joel Nord,
(*cum laude*),
Harry Benton Parrott,
Raymond Vincent Phelan,
James Douglas Pilcher,
John Philander Rorabeck,
Frank North Shankland,
(*magna cum laude*),
Edwin Wesley Suits,
(*magna cum laude*),
Homer Fordyce Swift,
Philip Hyatt Tarr,
James Washburn Waite,
Oliver Arkenburgh Weber,
Arthur Garfield Wilcox.

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THE COLLEGE FOR WOMEN.

BACHELORS OF ARTS.

Helen Anderson Allen,
Gertrude Pearl Badger,
Bertha Elizabeth Beck,
Helen Olive Bouldon,
Evelyn Maude Collins,
Zara Belle Rhoades,
Isabelle Dolores Roberts,
Lucia Harriet Sanderson,
Hannah Eva Selby,
Mabel Katherine Thomas.

BACHELORS OF LETTERS.

Barbara Sigwalt Brassington,
Cordelia Elizabeth Claflin,
Mabel Fay Clark,
Mathilde Emma Junge,
Martha Lueke,
Susan Ray McKean,
May Jane Meacham,
Orpha Maud Peters,
Thalia Maud Reese,
Harriet Marie Skeel,
Margaret May Skeel,
Ida Young,
Cornelia Anna Zismer.

BACHELORS OF PHILOSOPHY.

Isabella Beaton,
Charlotte Edwina Black,
Arabella Swift Canfield,
Bessie Mildred Chandler
Minnie Anna Creedon,
Sarah Smith Harbine,
Eva Minerva Hauxhurst,
Mabel Ainslie Holland,
Lura Claire Kurtz,
Effie McKinney,
Rebecca Syville Markowitz,
Katherine Marie O'Brien,
Lila Pauline Robeson,
Jeannette Eunice Sague,
Carrie Belle Smith,
Grace Alice Taft,
Bessie Marian Templeton,
Mabel Walker.

THE GRADUATE SCHOOL.

MASTERS OF ARTS.

Franklin Turner Jones, A. B.,
Daniel Acker Lehman, Ph. B.,
Frederick Jacob Menger,
Ida Catherine Messer, B. L.

THE MEDICAL COLLEGE.

DOCTORS OF MEDICINE.

Jacob B. Austin, Ph. B.,
John W. Boss, A. B.,
E. D. Brown,
Brady B. Buck,
Claude W. Lane,
John F. Lindsay,
William J. Manning,
John Mohr,

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Mars W. Carpenter,
Percy W. Cobb, B. S.,
Chris E. Corlett,
Herbert E. Edwards,
C. V. Garver,
Arthur Leroy Garrison,
Walter A. Haldy,
Walter E. Hatch,
James J. Hathaway,
George R. Hays,
Jesse E. Hunt,
Nathaniel M. Jones, Jr., B. L.,
Emanuel Klaus,
Max H. Klaus,
William C. Park,
Ben Peskind, B. S.,
John R. Philen,
Carlos E. Pitkin,
Henry V. Riewel,
Clarence D. Selby,
James A. Sherbondy,
Parker F. Southwick,
Alvin S. Storey, B. S.,
B. C. Tarnutzer,
Thomas J. Taylor,
John H. Weber, Ph. B.,
B. W. Wilson, A. B.,
David Yohannon, A. B.

THE LAW SCHOOL.

BACHELORS OF LAW.

Max Emerson Brunswick,
Fred Samuel Chamberlain,
John Aldrich Chamberlain, A. B.,
Sigmund J. Deutsch, A. B.,
Edward John Hobday, A. B.,
Horatio Clark Gould, Ph. B.,
Earl Hibbard Jaynes, A. B.,
Manuel Levine,
Walter Scott McAaron,
James Edward Mathews,
James Milton McCleary,
Walter Edward Myers, B. S.,
Charles Fitch Ohl, B. S.,
James Orlando Orr,
Lancelot Packer,
Niles Abraham Sponseller,
Mark Lawrence Thomsen, A. B.,
William Paul Trinter,
Julian Woodworth Tyler, A. B.,
Harvey J. Webster.

THE DENTAL COLLEGE.

DOCTORS OF DENTAL SURGERY.

William Roy Brewster,
George Lynn Carbon,
Elmer Elsworth Chambers,
Joseph Anson Coates,
(*honorable mention*).
Ralph Edmund Davis,
Lee Lamont De Arment,
Alfred Lawrence Duff,
John Wilson Fairbanks,
William B. Graff, M. D.,
Clinton Edward Line,
James Calvin McConkey,
John McKerrall,
James Scott McLean,
Lyman Allen Messecar,
Albert William Nicholson,
Thomas Guy Patterson,
Albert C. Plant,
Otto Henry Reisser,
Herman B. Rosenwasser,

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Herman Douglas Graham,
(*honorable mention*).
Charles Brigham Hawn,
George Hugh Irwin,
Richard Kitzsteiner,
Ralph Nosker Leonard,
Walter Mitchell Leonard.
Ralph Edward Sadler,
Ira Maphis Saum,
William Otto Spieth,
Oscar Frederick Strong,
Howard Oclydes Wearstler,
Archie Leon Wood.

HONORS AND PRIZES.

ADELBERT COLLEGE.

Commencement Honors

First Honor—Herbert Gans Muckley.
Second Honor—George William Saywell.
Third Honor—Wilfred Henry Alburn.

Junior Honors

Equal Scholarship Honors to
Robert Emmet Finley, Herbert Ernest Parker,
Feist M. Strauss.

Phi Beta Kappa Society

Elected in June, 1901.
John Alvin Alburn, Wilfred Henry Alburn,
Richard Emmet Collins, Herbert Gans Muckley,
George William Saywell.

Nominated for Membership, June, 1902.

SENIORS.

Owen N. Wilcox, Lewis Blair Williams,
Miles Reuben Southworth, Frank Brown Evarts,
Clarence Earl Drayer.

JUNIORS.

Robert Emmet Finley, Feist M. Strauss,
Herbert Ernest Parker.

The Two Year Honor in Chemistry to
Clyde Lottridge Cummer, John Fredric Oberlin.

The Two Year Honor in German to
John Adam Eisenhauer, Jr.

The Two Year Honor in Greek to
Carl Peter Paul Vitz.

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The Two Year Honor in Mathematics to
Kenneth Ethelbert Hodgman.

THE HANDY PHILOSOPHICAL PRIZES
First Prize—Wilfred Henry Alburn.
Second Prize—Philip Hyatt Tarr.

HARRIET PELTON PERKINS SCHOLARSHIP
Feist M. Strauss.

PRESIDENT'S PRIZES
For the highest records for the Freshman Year in:

English
First Prize—Oliver Jones.
Second Prize—Andrew Bracken White.

French and German (*Modern Language Course*)
Andrew Bracken White.

German (*Classical and Latin Scientific Courses*)
Gomer Abraham Cook.

Greek
Bainbridge Cowell.

Latin
Budd Noble Merrills.

Mathematics
First Prize—Andrew Bracken White.
Second Prize—Budd Noble Merrills.

Gymnasium
Homer Lynn Nearpass.

Junior-Sophomore Oratorical Contest
First Junior Prize—Bradley Hull, Jr.
First Sophomore Prize—Maurice Griffin, Jr.
Second Prize (*irrespective of class*)—Burton W. Knisely.

THE HOLDEN PRIZE
For the best Essay by a Senior
Lewis Blair Williams.
Honorable Mention—Harry Benton Parrott.

THE RUPERT HUGHES PRIZES
For the best Poems
First Prize—Robert Emmett Finley.
Second Prize—Wilfred Henry Alburn.

THE DEBATE PRIZE
Divided equally between
Edward John Hobday,
Charles Augustus Morris,
Herman Joel Nord.

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THE COLLEGE FOR WOMEN.

PRESIDENT'S PRIZES

For Freshman Work in the Gymnasium

First—Etta Freedlander.

Second—Edith Mabel Hill,
of the Freshman Class.

THE HOLDEN PRIZE

For the best Essay by a Junior or Senior

Blanche Genevieve Cole,
of the Junior Class.

ALUMNI ASSOCIATIONS.

ADELBERT COLLEGE.

President, JUDGE CHARLES R. GRANT, 1872.
Vice Presidents, C. A. GATES, 1873.
C. B. HALL, 1873.
Recording Secretary, JOHN DICKERMAN, 1891.
Corresponding Secretary, SHERMAN ARTER, 1886.
Necrologist, REV. D. T. THOMAS, 1885.

VISITING COMMITTEE OF THE ALUMNI.

REV. E. P. CLEAVELAND, 1878, W. E. CUSHING, 1875,
REV. A. C. LUDLOW, 1894.

THE COLLEGE FOR WOMEN.

President, MARY HOOVER COLLACOTT, 1894.
Vice President, ESTHER ALLEN, 1900.
Recording Secretary, ALICE DRAKE, 1901.
Corresponding Secretary, MARGARET THOMAS, 1901.
Treasurer, LOUISE BAKER, 1900.

FINANCE COMMITTEE.

HELEN M. SMITH, 1894, GRACE E. LOTTRIDGE, 1897.

THE MEDICAL COLLEGE.

President, DR. J. P. SAWYER, 1883.
Vice Presidents, DR. L. F. SWITZER,
DR. J. S. WOOD.
Recording Secretary, DR. G. C. ASHMUN, 1873.
Corresponding Secretary, DR. W. O. OSBORN, 1888.
Treasurer, DR. E. B. RHODES.

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THE LAW SCHOOL.

President, F. W. GREEN, 1896.
Vice Presidents, D. B. WOLCOTT, 1899.
W. E. WHITE, 1901.
Secretary, D. G. JAEGER, 1900.
Treasurer, J. L. CANNON, 1898.

THE DENTAL COLLEGE.

President, ROBERT D WALLACE, D. D. S., 1895.
Vice President, L. L. BOSWORTH, D. D. S., 1897.
Secretary-Treasurer, VARNEY E. BARNES, D. D. S., 1899.

LOCAL ASSOCIATIONS.

FOUNDED 1902.

NEW YORK ASSOCIATION.

President, SAMUEL E. WILLIAMSON, 1864.
Vice President, THOMAS DAY SEYMOUR, 1870.
Secretary, ARTHUR C. MCGIFFERT, 1882.
Treasurer, CHARLES H. SCHOLEY, 1895.

WASHINGTON ASSOCIATION.

President, ROBERT W. TAYLOR, 1872.
Secretary, MORRIS J. HOLE, 1889.

NORTHWEST ALUMNI CLUB, CHICAGO.

President, ROBERT D. SCOTT, 1872.
Secretary, H. W. PIERSON.
Treasurer, ALICE MCKINLEY, 1896.

CINCINNATI ASSOCIATION.

President, HENRY M. CURTIS, 1871.
Vice President, HERBERT S. BIGELOW, 1894.
Secretary, JOHN E. BRUCE, 1876.

INDIANA ALUMNI CLUB.

President, R. E. HOUGHTON, Richmond.
Secretary, JAMES A. ROBACH, 1884.

COLUMBUS ASSOCIATION.

President, ALLEN C. BARROWS, 1861.
Secretary, CAROLINE HARDY, 1901.

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DIRECTORY.

The names of instructors and officers are printed in italics. Each name is followed by an abbreviation indicating the department to which the person belongs, viz:—A, Adelbert College; D, Dental Department; G, Graduate Department; L, Law School; M, Medical College; W, College for Women.

Abbott, A. M.—L. Wade Park &Marcy St
Adams, W. S.—L.....3714 Euclid Av.
Aikins, H. A.—W.....40 Cornell St.
Albl, C. J.—M.....1406 Broadway
Albright, C. E.—W..136 Mapledale Av.
Alburn, C. R.—A.....Eldred Hall
Alburn, J. A.—L.....Eldred Hall
Alburn, W. H.—G.....Eldred Hall
Alexander, D. C.—A....65 Jennings Av.
Allen, D. P.—M.....278 Prospect St.
Allen, F. E.—W.....Guilford House
Allison, A. L.—A.....92 Fourth Av.
Allison, E. N.—D.....811 Superior St.
Ambler, H. L.—D.....176 Euclid Av.
Anderson, M. E.—W....Guilford House
Andrews, E. R.—A.....Adelbert Hall
Annin, E. C.—W.....Guilford House
Armbruster, C.—L....1638 Willson Av.
Armstrong, L.—W.....962 Willson Av.
Arnos, W. T.—L.....2238 Euclid Av.
Ashmun, G. C.—M....794 Republic St.
Atchison, J. B.—D....508 Prospect St.

Bachman, C. C.—D.....14 Bailey St.
Bailey, A. L.—W.....93 East Lake St.
Bailey, G. L.—A.....290 Marcy Av.
Baldwin, G. T.—D....217½ Taylor St.
Ballantyne, M. L.—W....Guilford House
Banker, N. S.—M.....739 Superior St.
Bard, H. L.—A.....1341 Lorain St.
Barden, J. P., Jr.—A.....6 Cornell Pl.
Barnes, E. A.—A.....116 Streator Av.
Barnett, G. F.—A....116 Streator Av.
Bates, A. A.—D.....19 Granger St.
Bauman, E. C.—W.....Belleflower Av.
Bauman, G. F.—M....1279 Cedar Av.
Baxter, E. C.—A.....153 Cornell St.
Beaton, J.—G.....462 Kinsman St.
Bebout, D. B.—D....136 Huntington St.
Becker, H. A.—M.....Pearl and Clark
Beltman, S. G.—W.....25 Beech St.
Bejach, M.—L.....72 Van Buren St.
Bell, W.—D.....188 Chestnut tS.
Bemis, A. H.—A....225 E. Prospect St.
Bennett, G.—L.....987 Doan St.
Bentley, J. R.—D.....536 Prospect St.
Berger, S. S.—M....1141 St. Clair St.
Berkes, H. A.—A.....52 Elberon St.
Berman, S. L.—A....835 Woodland Av.
Bernsteen, M. L.—L.....67 Fifth Av.
Bill, C. P.—A.....853 Logan Av.
Binkard, H. R.—D..127 Huntington St.
Birge, R. H.—M.....260 Euclid Av.
Bishop, E. L.—W.....Haydn Hall
Bishop, H. V.—A.....The Euclid
Bissell, W. D.—D....958 S. Logan Av.
Bissell, W. L.—A.....201 Adelbert St.
Blackburn, H. W.—A..116 Streator Av.
Bloomberg, J.—A.....1582 Lorain St.
Boggs, J.—W.....1257 Euclid Av.
Bolden, J. J. L.—M.....25 Newton St.
Bourland, B. P.—A....2662 Euclid Av.
Bourne, H. E.—W.....144 Cornell St.
Bowman, B. H.—D....168 N. Perry St.
Boyle, T. A.—A.....201 Adelbert St.
Brennan, C. J.—L..134 Murray Hill Av.
Brett, J. H.—M.....34 Ocean St.
Bretz, O.—A.....416 Cedar Av.
Briggs, C. E.—M.....New Amsterdam
Briggs, W. D.—A....18 Adelbert Hall
Brown, A. F.—D.....225 Lawn St.
Brown, C. A.—D.....523 Prospect St.
Brown, N. W.—M..Suite 41, The Cary
Brock, J. E.—W.....149 Trumbull St.
Bruce C. A.—W.....Haydn Hall
Bruchshaw, M. G.—W..36 Beechwood St.
Bruckshaw, M. G.—W..36 Beechwood St.
Bruner, W. E.—M..New England Bldg.
Budde, B. K.—W....116 Spangler Av.
Budde, T. F.—W.....116 Spangler Av.
Buffington, R. P.—L....86 Rosedale Av.
Buckstein, F.—A.....84 Paddock Pl.

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Bundy, L. N.—D.....399 Forest St.
Bunts, F. E.—M.....275 Prospect St.
Burgoon, C. P.—L.....151 Cornell St.
Burroughs, F. N.—A.....Collinwood
Burroughs, S.—M.....524 Euclid Av.
Buschman, C. M.—W....Guilford House
Buschman, M. C.—W....Guilford House
Byal, C. B.—A.....201 Adelbert St.

Cadle, T. P.—A.....West Mentor
Caldwell, E. C.—L.....Adelbert Hall
Camp, C. H.—D.....863 Case Av.
Campbell, G. L.—W.....59 Knox St.
Campbell, H. C.—A.....68 Bell Av.
Campbell, H. G.—W.....993 Cedar Av.
Campbell, R. S.—A..2209 Superior St.
Canfield, A. S.—G.....631 Franklin St.
Canfield, H. H.—A.156 Murray Hill Av.
Carabin, F. A.—L.....117 Adelbert St.
Carle, E. L.—A.....805 Fairmount St.
Carnes, W. B.—A.....201 Adelbert St.
Carpenter, A. G.—L....125 Streator Av.
Carpenter, J. W.—A.....46 Knox St.
Carpenter, R. F.—A....125 Streator Av.
Carsons, Wm.—Jntr..190 Hamilton St.
Case, C. J.—A.....41 Cornell St.
Case, C. L.—L.....995 Doan St.
Cermak, W. J.—A.....1471 Clark Av.
Chaffee, L. L.—W.....Guilford House
Chaffee, S. L.—A.....14 Adelbert Hall
Chamberlain, P. A.—A....76 White Av.
Chamberlain, Wm. B.—M..275 Prospect
Chamberlain, W. P.—M..24 Commodore
Champ, S. M.—W.....59 Bolton Av.
Chandler, B. M.—G.....894 Case Av.
Chapman, H. B.—L.....East Cleveland
Chapman, H. B.—W....810 Rose Bldg.
Chapman, M. E.—W..103 Marcelline Av.
Chapel, R. E.—A.....92 Streator Av.
Chapman, W. H.—L.....11 Sackett St.
Cheetham, A. M.—M.805 E. Madison Av.
Cherdron, C.—M.....110 Erie St.
Cherney, E. J.—L.....57 Woodland Ct.
Chotek, L. A.—A.....58 Cable St.
Christie, L. M.—D.....50 Cheshire St.
Clague, L. M.—W.....297 Marcy Av.
Clark, A. J.—D.....508 Prospect St.
Clark, C. H.—D.....19 Riverside Av.
Clark, F. S.—M..493 Colonial Arcade
Clark, M. G.—W.....Guilford House
Clemens, C. E.—W....1093 Prospect St.
Cleveland, A. M.—W....392 Bolton Av.
Cline, H. L.—A.....201 Adelbert St.
Clyne, N. T.—L.....309 Franklin Av.
Coates, J. A.—D.....45 Hough Av.
Coe, C. M.—A.....Glenville
Coffield, C. D.—A.....601 Franklin Av.
Cohn, M. T.—A.....330 Genesee Av.
Colt, L. E.—W.....75 Adelbert St.
Cole, B. G.—W..215 Commonwealth Av.
Collins, A. W.—Jntr....106 Cornell St.
Collins, R. E.—L..1734 Woodland Hills
Collord, K. E.—W.....189 Taylor St.
Comin, H. L.—A.....168 Streator Av.
Conant, J. L.—A....1701 Dennison Av.
Conde, E.—W.....33 Wellesley St.
Condon, Chas.—Asst.....90 Broadway
Connell, A. E.—M.....16 Dunham Pl.
Converse, H. J.—W....309 Streator Av.
Cook, W. H.—A.....724 Republic St.
Cook, M.—W.....304 Franklin Av.
Cool, R. C.—L.....109 Amesbury Av.
Cooper, W. C.—D....32 Public Square
Corlett, A. R.—A.....116 Streator Av.
Corlett, W. F.—M.....553 Euclid Av.
Corrigan, F.—A.....66 Gorman Av.
Counts, A. F.—A.....13 Adelbert Hall
Cowgill, M. H.—W....726 Republic St.
Cox, E. H.—M.....518 E. Prospect St.
Cox, H. L.—A....117 Murray Hill Av.
Cramer, L. M.—W....861 Scranton Av.
Cranz, C.—W.....Haydn Hall
Crapnaib, A.—Engr.....794 Doan St.
Crawford, E.—Asst. Libr...61 Knox St.
Crile, G. W.—M....169 Kensington Av.
Cristy, E. B.—W.....Haydn Hall
Crum, A. P.—A.....30 Hilburn Av.
Culp, W. E.—D.....664 Castle Av.
Culver, J. W.—D.....The Tavistock
Cummer, C. L.—A.....396 Bolton Av.
Curtis, M. M.—A.....43 Adelbert St.
Cushing, E. F.—M....1160 Euclid Av.
Cushing, H. P.—A.....260 Sibley St.
Cutts, C. H.—Asst.....24 Melvin St.

Dakin, T. O.—L....134 Murray Hill Av.
Daniels, G. M.—W.....Haydn Hall
Daniels, J. E.—W.....Haydn Hall
Darby, J. E.—M.....Doan & Euclid
Daugherty, J. B.—A....The Brooklawn
Davis, A. S.—L....131 Murray Hill Av.
Davis, H. H.—A.....457 Franklin Av.
Davies, R. F.—W....841 Fairmount St.
Dawley, W. J.—A.....201 Adelbert St.

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De Lancy, M.—W.....805 Huron St.
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Dewey, W. H.—D.....128 White Av.
De Witt, S. A.—W..679 E. Prospect St.
Dickerman, J.—A.....852 Doan St.
Difford, C. L.—M.....49 Alum St.
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Donaldson, B. W.—D.....Lorain
Donaldson, J. B.—M..154 N. Perry St.
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Doster, A. M.—W....72 Merchants Av.
Doster, E. E.—L..117 Murray Hill Av.
Douttiel, G. W.—D.....174 Lyman St.
Dowd, H. H.—D.....41 Kenwood St.
Doyle, G. F.—D.....951 Cedar Av.
Drake, A. D.—G.....792 Republic St.
Dugan, D. L.—A.....116 Streator Av.
Duncan, H. T.—L.....78 Fifth Av.
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Dunmore, W. T.—L.....151 Cornell St.
Dunn, F. A.—D.....207 Dunham Av.
Dunning, E. L.—W.....Haydn Hall
Dusek, O. F.—D.....128 Humboldt St.
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Duty, A.—W.....2577 Euclid Av.

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Eisenhauer, J. A.—A..1483 Willson Av.
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Ellet, L. V.—W.....Guilford House
Ellis, J. B.—D.....508 Prospect St
Elliot, R.—W.....17 Grace Av.
Elliott, R. W.—M.....855 Stark Av
Elmer, A. E.—W.....292 Dare St.
Emerson, O. F.—A.....50 Wilbur St.
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Englander, L.—A.....151 Cornell St.
English, L. M.—D.....598 Scovill Av.
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Fauver, C. K.—L.....727 Case Av.
Felger, P. H.—D.....168 Dodge St.
Felmly, D. F.—L.....163 Oakdale St.
Feniger, B.—L.....512 Orange St.
Ferry, M. T.—W.....Haydn Hall
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Filius, G. T.—A.....201 Adelbert St.
Findlay, Wm.—Engr....149 Cornell St.
Findley, E. R.—A.....151 Cornell St.
Finley, R. E.—A.....888 Doan St.
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Fish, M.—W.....224 Streator Av.
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Flower, A.—M....Erie & St. Clair Sts.
Flower, Mrs.—Jantr.Erie & St. Clair Sts.
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Forbes, G. N.—A.....6 Adelbert Hall
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Ford, R. A.—L.....2132 Euclid Av.
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Fox, P.—A.....14 Adelbert Hall
Frankle, K. G.—D....520 Woodland Av.
Frazier, J. W.—D....168½ Dodge St.
Freer, J. M.—D.....508 Prospect St.
Freer, M.—W.....1528 Cedar Av.
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Garman, C. P.—A.....28 Adelbert Hall
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Hoch, W. K.—D.....364 Bridge St.
Hogg, J. M.—A.....995 Doan St.
Hogg, J. H.—L.....2638 St. Clair St.
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Honeywell, S. M.—W..315 Genesee Av.
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Hopwood, A.—A.....89 Harbor St.
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Jackson, V. M.—W..2900 Superior St.
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Jones, E. M.—W.1143 Woodl'd Hills Av.
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Jones, F. E.—W.....1635 Harvard St.
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Kennan, R. R.—W.....Guilford House
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Kent, D. M.—D.....12 Dellenbaugh Av.
Kenyon, H. C.—D.....677 The Arcade
Kenyon, S. C.—W.....Guilford House
Kiefer, L. R.—W.....Guilford House
King, G. A.—W.....Haydn Hall
King, M. H.—W.....Haydn Hall
King, P. F.—M.....117 Chestnut St.
Kingsbury, C. H.—W....94 Bertram St.
Kitchen, J. H.—L.....858 Euclid Av.
Kittrell, M.—W.....123 Adelbert St.
Knapp, A. C.—D.....45 Highland Av.
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Knisely, W. B.—A.....173 Streator Av.
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Koblitz, E.—M.....183 Kennard St.
Kocmit, E. J.—D.....62 Petrie St.
Koningslow, E.—W.....882 Scovill Av.
Kramer, S. E.—L.....224 Quinby St.
Krauss, C. L.—W....1997 Superior St.
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Krider, L. B.—W.....423 Bolton Av.
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Lanphear, W. P.—A...782 Republic St.
Laub, W. J.—L.....2278 Euclid Av.
Laubscher, G. G.—A.....134 Duane St.
Lawerence, E. J.—M....24 Collins Pl.
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Lehmiller, R.—W..98 Murray Hill Av.
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Lenhart, C. H.—M..Suite 41, The Cary
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Leon, G. H.—W.....300 Kennard St.
Lessick, F. A.—W....486 Giddings Av.
Lewis, W. A.—M.....28 Cheshire St.
Lincoln, W. R.—M....275 Prospect St.
Linn, F.—W.....151 Courtland St.
Linn, L. R.—W.....112 Dibble Av.
Livingston, B. W.—D..160 Chestnut St.
Lloyd, H. R.—A.....Wickliffe
Loomis, L. C.—A....1280 Willson Av.
Lothrop, L. M. S.—W..1745 Harvard St.
Lotspietch, R. G.—A...156 Murray Hill
Lowe, R. C.—A.....116 Streator Av.
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Lowman, J. H.—M....441 Prospect St.
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Lymon, T.—D.....190 Greenwood St.

McArthur, A. F.—A....208 Oakdale St.
McClure, R. H..M....811 Superior St.
McClure, W. C.—L....28 Nantucket St.
McCulloch, R. C.—L.148 Murray Hill Av.
McCune, F. K.—M....24 Commodore St.
McCurdy, S. M.—M..168 N. Perry St.
McDonagh, J. F.—D.449 W. Madison Av.
McDowell, J. R.—M.The Cary, Payne Av.
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McFate, J. C.—D.....761 Superior St.
McFate, J. C.—M.....739 Superior St.
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McKelvey, E.—A.....14 Adelbert Hall
McKeon, J. S.—A.....151 Cornell St.
McKim, E. B.—W.....100 Oakdale
McMullin, B. B.—A.....89 Cutler St.
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Magee, C. E.—D.....701 Superior St.
Magner, C. T.—D.....443 Euclid Av.
Malin, W. C.—A.....Glenville
Maloney, C. H.—D.....70 Brownell St.
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Mandel, M. M.—A..805 Huntington St.
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Marble, E. A.—W.....Haydn Hall
March, F. O.—A.....153 Cornell St.
Markowitz, R. S.—G.....21 Vine St.
Martin, W. C.—A.....84 Marvin Av.
Marshall, J. H.—A....137 Brandon St.
Marvin, W. T.—A.....36 Knox St.
Mathews, J. E.—A..719 Garfield Bldg.
Mathivet, E. C.—L.....98 Tilden Av.
Mattill, H. A.—A.....20 Sanford St.
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Merriam, W. H.—M....275 Prospect St.
Merrills, B. N.—A.....Adelbert Hall
Messer, T. C.—G.....244 Becker Av.
Metzenbaum, J.—L.....1117 Case Av.
Meub, W. H.—A.....137 Brandon St.
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Meyer, E. S.—A.....844 Logan Av.
Meyer, J. H.—A.....844 Logan Av.
Michel, E. E.—W.....1869 Superior St.
Micklethwait, J. T.—L....Adelbert Hall
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Miller, W. T.—A.....153 Cornell St.
Millikin, B. L.—M....278 Prospect St.
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Minnig, A.—A.....2481 Euclid Av.
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Mock, F. C.—A.....843 Fairmount St.
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Myers, F. E.—W.....1 Glen Park Pl.
Myers, R. V.—A....874 Fairmount St.
Mygatt, C. S.—D.....150 Chestnut St.

Nearpass, H. L.—A....45 Fairchild St.
Neer, E. D.—A....117 Murray Hill Av.
Neff, M. D.—D.....45 Archwood Av.
Nelding, J. A.—L.....186 Taylor St.
Newcomb, A. G.—L.....Adelbert Hall
Newton, N. B.—W..408 E. Prospect St.
Nimmons, W. T.—A.117 Murray Hill Av.
Noland, H. J.—W.....1155 Doan St.
Nord, H. J.—L.....116 Streator Av
Nutt, A. P.—A....117 Murray Hill Av.

Oakley, A. E.—W.....800 Hough Av.
Oakley, L. E.—W.....800 Hough Av.
Oberlin, J. F.—A.....67 Cornell St.
O'Brien, J. W.—A.....16 Adelbert Hall
O'Connor, N. A.—M..224 Starkweather
Ochs, K. E.—M.....131 Sayles St
Odlin, F. T.—W.....Guilford House
Oliver, T. E.—W.....10 Adelbert Hall
Opperman, A. E.—A..127 N. Perry St.
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Osmond, J. D.—A.....187 Oakdale St.
Ostrander, A.—D.....48 Wallace
Otis, E. M.—A.....18 Adelbert Hall

Palda, G. A.—L.....1655 Broadway
Palmie, A. H.—W.....2783 Euclid Av.
Pankhurst, C. T.—M....88 Superior St.
Park, K. D.—D.....160 Dodge St.
Parks, P. K.—W.....Collinwood
Parker, C. M.—W.....Guilford House
Parker, H. E.—A.....767 Doan St.
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Pfeiffer, U. J.—A.....101 Halsey St.
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Phillipson, P. H.—G.Willson & Woodl'd
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Powell, H. H.—M.....467 Prospect St.
Powell, W. L.—D.....508 Prospect St.
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Price, W. A. V.—D....2288 Euclid Av.
Proctor, R. R.—A.....153 Cornell St.
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Quayle, Z. G.—W.....290 Sibley St.
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Reichman, F.—A.....95 Mayfield St.
Reeve, F. A.—W.....49 Wilbur Pl.
Rewouf, N. J.—D.....Kent
Richards, D. A.—D..1086 Superior St.
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Rieske, F. H.—D.....417 Jennings Av.
Risch, J. F.—D.....127 Huntington St.
Risdon, C.—W.....Guilford House
Riser, M.—Jntr.....86 Mentor St.
Ritterspach, F. J.—M....24 Collins Pl.
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Roberts, E. E.—W.....Guilford House
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Robison, W. L.—A.....5 Hayward St.
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Rosenfeld, B. M.—W..1329 Willson Av.
Rosenwasser, H. B.—D722 Woodland Av.
Rose, C. S.—L.....Adelbert Hall
Rose, H. G.—A.....142 Cornell St.
Ross, C. D.—W.....249 Streator Av.
Ross, G. A. R.—D.....508 Prospect St.
Roth, G. B.—A....156 Murray Hill Av.
Rudolph, J. F.—M.....68 Mansion St.
Ruggles, J. R.—A.....224 Streator Av.
Rummel, F. G.—D.....188 Dodge St.
Russell, E.—W.....153 Lincoln Av.

Sabin, R. R.—W.....89 Tilden Av.
Sampliner, E. A.—W...821 Kennard St.
Sampliner, W. E.—M....1103 Case Av.
Saunders, N. C.—W....1265 Slater Av.
Sawicki, J. F.—L.....348 Fleet St.
Sawyer, J. P.—M.....526 Rose Bldg.
Sawyer, R. T.—L.....54 Streator Av

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Sayle, F. M.—M.....1499 Cedar Av.
Scanlon, E. J.—M....850 Woodland Av.
Schlesinger, W. A.—M..129 McBride St.
Schneider, C. B.—W.....Haydn Hall
Schuele, L. C.—W.....15 Jay St.
Schultz, J. E.—D.....124 Handy St.
Schwartz, E.—L.....25 McKinstry St.
Schwegler, L. M.—W.....58 Euclid Pl.
Seagrave, P. W.—A....75 Adelbert St.
Season, E. B.—M.....2230 Euclid Av.
Seesholtz, A. G.—W....Guilford House
Seliskar, J.—M.....18 Wageman St.
Sellers, F. G.—W.....59 Knox St.
Selminski, H.—W.....34 Princeton
Semple, M. V.—A.....50 Chapman Av.
Sensel, E. H.—L.....124 Putnam St.
Senseny, H. M.—A....148 Lincoln Av.
Senter, M.—W.....Guilford House
Severance, A. D.—W..1981 Euclid Av.
Shackleton, Wm. E.—M.605 The Osborn
Sharp, O. B.—A.....45 Fairchild St.
Shepard, G. W.—M..Lakeside Hospital
Shepherd, B. C.—L.....Adelbert Hall
Shepherd, H. D.—W....Guilford House
Sherman, A.—W.....542 Franklin Av.
Shirey, O. M.—M.....171 Dodge St.
Shreve, C. G.—A.....847 Stark St.
Shrier, E.—W.....930 Cedar Av.
Shube, J. S.—D.....632 Woodland Av.
Sickman, O. F.—D.....124 Handy St.
Sill, R. H.—M.....192 Erie St.
Silver, T. H.—A.....151 Cornell St.
Simpson, H.—L.....88 Quebec St.
Simpson, J. M.—D....968 Prospect St.
Singer, W. E.—A..156 Murray Hill Av.
Sipe, D. R.—A....117 Murray Hill Av.
Sipher, J. A.—M....Suite 41, The Cary
Slusser, L. D.—L.....Adelbert Hall
Smith, A. A.—D.....Berea
Smith, B. B.—W.....1240 Cedar Av
Smith, C. H.—L.....1465 Cedar Av.
Smith, C. J.—A.....85 Adelbert St.
Smith, F. L.—D.....Denver, Col.
Smith, G. W.—D.....178 Herald St.
Smith, Harriet—W.....87 Grasmere
Smith, Helen—W.....193 Oakdale
Smith, H. L.—D.....407 Prospect St.
Smith, J. W.—L.....626 Jennings Av.
Smith, L. L.—D.....168 N. Perry St.
Smith, R. G.—W.....40 Cheshire St.
Smith, W. A.—D.....118 Chestnut St.
Smith, W. E.—A.....592 Sterling Av.
Snow, R. R.—L.....55 Belmore Rd.
Solberg, O. E.—W.....136 Stearns St.
Sollman, T.—M..Erie & St. Clair Sts.
Solmonson, S. H.—D....1033 Case Av.
Solmonson, S. H.—M....1022 Case Av.
Souers, L. E.—L.....155 Sawtell Av.
Spence, H. L.—M...512 New Eng. Bldg.
Spengler, O. L.—W.....63 Fourth Av.
Spengler, E. M.—W.....63 Fourth Av.
Spengler, W. D.—A.....63 Fourth Av.
Spicer, D. M.—M.....739 Superior St.
Spieth, L. C.—A.....1291 Willson Av.
Spring, C. E.—M.....739 Superior St.
Standen, H. C.—D..168 Crawford Rd.
Standford, V. L.—L.....217 Ohio Bldg.
Staral, J. A.—M.....1251 Willson Av.
Stearns, A. A.—L.....87 Oakdale St.
Stedman, F. H.—A.....345 Orange St.
Steer, H. A.—M .....
Stevens, B. V.—W..1193 E. Madison Av.
Stevens, C. D.—W....23 Adelbert Hall
Stevens, E. E.—A.....2036 Broadway
Stevens, F. A.—W.....75 Adelbert St.
Stevens, H. F.—W.....2036 Broadway
Stewart, C. C.—M.....12 Wycombe Pl.
Stewart, G. N.—M.....Medical College
Stewart, J. H.—A..136 Murray Hill Av.
Stewart, J. R.—M....Suite 4, Sagamore
Stickle, A. R.—A.....151 Cornell St.
Stillwell, L. B.—W....87 Stanwood Rd.
Stoney, F. L.—W.....80 Bridge St.
Stowe, L. F.—A.....3 Quito St.
Stuart, C. C.—M.....416 Rose Bldg.
Strachan, W. M.—A....2423 Broadway
Strankways, T.—D....508 Prospect St.
Strauss, F. M.—A....1390 Superior St.
Streich, A. C.—G.....2 Hodgson St.
Strong, C. A.—A.....Adelbert Hall
Strong, E. P.—L.....486 Lake St.
Suits, J. C.—W.....50 Bertram St.
Suliot, M. E.—W.....136 Stearns St.
Summers, H. C.—A...1528 Superior St.
Sunkle, R. H.—M.....Pearl and Clark
Sutton, G. C.—A.....491 Central Av.
Swift, H. F.—M.....739 Superior St.

Talcott, W. E.—A..Rosedale & Crawford
Tarr, H. M.—M.....193 Clinton St.
Taylor, E. B.—W.....Guilford House
Taylor, F. J.—W.....78 Oakdale St.
Taylor, T. J.—M....2153 Superior St.
Thacher, M. A.—W....75 Adelbert St.

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Thayer, M. H.—W.....Guilford House
Thomas, C. W.—M.1394 Woodland Hills
Thomas, E. H.—W.....81 Norton St.
Thomas, F. L.—W.....88 Idlewood Av.
Thomas, G. F.—A.....Adelbert Hall
Thomas, G. L.—W....2688 Warner Rd.
Thomas, H. A.—W.....27 Walker St.
Thomas, H. A.—A..134 Murray Hill Av.
Thomas, J. J.—M.....156 Crawford Rd.
Thomas, O. T.—M.....85 Edgwood Pl.
Thompson, C. R.—D....798 Republic St.
Thompson, H. O.—*Jntr.*..67 Cornell St.
Thompson, J. E.—M..2 Livingstone St.
Thwing, C. C.—A..156 Murray Hill Av.
Thwing, C. F.—Prest...55 Bellflower Av.
Tierney, J. S.—D.....Rose Bldg.
Tompkins, G. E.—W.....Haydn Hall
Torrey, B. L.—W....4132 Euclid Av.
Tower, O. F.—A.....8 Nantucket St.
Tracy, F. E.—W.....Euclid
Truxal, F. T.—A.....23 Kelton St.
Truxal, G W.—A.....23 Kelton St.
Trowbridge, F. L.—L.....84 Miles Av.
Tryon, S. B.—A.....Adelbert Hall
Turney, J. M.—G.....Painesville
Tuttle, A. G.—A.....853 Doan St
Tuttle, F. L.—A.....Logan Av.
Twiss, G. R.—G.....56 Mayfield St.
Tyler, B. E.—M.....51 Daisy Av.

Upson, H. S.—M....New England Bldg.

Vail, H. D.—M.....190 Helen St.
Van Doorn, J. W.—D.....455 Arcade
Van Epps, M. E.—W..915 S. Logan Av.
Van Nostran, R.—W..204 Harkness Av.
Van Pelt, T. C.—D....300 Euclid Av.
Van Vliet, M. L.—W..373 Harkness Av.
Van Voorhis, R. F.—A..117 Murray Hill
Vilas, G. E.—W.....220 Kennard St.
Vincent, J. A.—M.....777 Superior St.
Vitz, C. P. P.—A.....45 Marvin Av.

Wachner, S. C.—A.....Adelbert Hall
Wadsworth, C. H.—D..508 Prospect St.
Wagner, H. G.—M.....702 Rose Bldg.
Waite, F. C.—D.....77 Hillburn Av.
Walker, E. W.—D.....168 N. Perry St.
Wallace, A. E—W.....Guilford House
Wallace, A. M.—W.....28 Marion St.
Wallace, C. M.—A.....Willoughby
Wallace, N. F.—W.....67 Tilden Av.
Walsh, J. D.—W.....69 Hower Av.
Ward, E. G.—W.....Willoughby
Ward, W. P.—A.....37 Kenilworth St.
Ware, L. B.—L.....1430 Detroit St.
Wark, J. F.—D.....332 Cedar Av.
Warner, R. C.—A.....Adelbert Hall
Warnock, D. R.—L....2097 Euclid Av.
Watkins, T.—D.....168½ Dodge St.
Watts, T. R.—A.....Adelbert Hall
Waugh, J. M.—M.....44 Knowles St.
Weaver, R. E.—A.....153 Cornell St.
Weber, H. G.—D.....57 Sibley St.
Weber, O. A.—M.....739 Superior St.
Webster, C. E.—D.....374 Huron St.
Wedler, C. R.—M.....160 Colfax St.
Weedman, D. V.—D.....374 Huron St.
Wehr, C. J.—A.....5 Adelbert Hall
Weimer, E. O.—W..144 Hawthorne Av.
Weir, W. H.—M.....260 Euclid Av.
Weis, K.—W.....354 Marcelline Av.
Wells, J. H.—M.....121 Lonsdale Av.
Wenger, R. F.—M....Lakeside Hospital
Wetherbee, A. H.—A.....1 Cornell Pl.
Whelan, C.—W.....103 Kentucky St.
White, A. B.—A.....19 La Grange St.
White, E.—W .....Euclid
White, H. C.—L.....344 Harkness Av.
White, H. L.—W.....306 Cedar Av.
White, W. H.—M....24 Commodore St.
Whitman, F. P.—A....79 Adelbert St.
Whitslar, W. H.—D..700 Schofield Bldg.
Whitworth, E. C.—W..61 Gorman Av.
Wickham, B. B.—L....153 Cornell St.
Wilbur, R. A.—L....820 Fairmount Av.
Wilcox, A. G.—M.....739 Superior St.
Wilcox, O. N.—L.....59 Olive St.
Williams, E. C.—Libr.....71 Elderon
Williams, F. B.—L....111 Crawford Rd.
Williams, H. R.—A.156 Murray Hill Av.
Williams, J. F.—A.....153 Cornell St.
Williams, L. B.—W....127 Streator Av.
Williamson, C. C.—*Prest. Sec'y*.....
.....442 Rosedale Av.
Wilson, G. H.—D..701 Schofield Bldg.
Wilson, H. R. C.—D.....74 Burt St.
Wilson, R. L.—D.....Genesee Block
Windisch, J. S.—D.....23 Freeman St.
Winger, M. L.—D.....798 Republic St.
Winter, J. C.—A....1252 Scranton Av.
Wistar, B.—W.....1263 Cedar Av.
Wittler, M.—W.....Haydn Hall
Wolcott, J. V.—L.....72 Grasmere St.

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Wolf, E. E.—A.....529 Scovill Av.
Wolren, R. L.—A..105 Murray Hill Av.
Womachke, E. A.—D.....155 Swiss St.
Woodward, J. G.—A....208 Adelbert St.
Woodward, F.—W.....95 Mayfield Rd.
Woolf, L. A.—M.....1055 First Av.
Woolfolk, R. A.—A.156 Murray Hill Av.
Woolgar, Wm. J. W.—M.1444 Cedar Av.
Workman, J. S.—M.....134 Sibley St.
Workman, P. W.—D....134 Sibley St.
Worley, N. J.—D.....The Martha
Worrell, K. G...D..21 Hollingsworth Ct.
Worthington, E.—W....84 Cheshire St.
Wright, D. A.—D.....262 Cedar Av.
Wright, G. S.—W.....739 Willson Av.
Wright, H. M.—W....Guilford House.

Yaggi, H. K.—M.....314 Dunham Av.
Yaggi, L. E.—L.....314 Dunham Av.
Yeagle, M. C.—M.....28 Parkwood Av.
Yoder, H. E.—M.....131 Sayles St.
Young, A. A.—A.....46 Knox St.
Young, H.—L....148 Murray Hill Av.
Young, J.—W.....22 Melrose Av.
Young, L. H.—W.....22 Melrose Av.
Young, S. A.—M.....2370 Crosby St.
Young, T. C.—M...1372 Woodland Hills

Zavodsky, F.—D.....9 Vergennes St.
Ziegler, D. H.—D.....Rose Bldg.
Ziemer, W. O.—M....84 Woodbridge St.

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Western Reserve University,

CLEVELAND, OHIO.

ADELBERT COLLEGE.
THE COLLEGE FOR WOMEN.
THE GRADUATE SCHOOL.
THE MEDICAL SCHOOL.
THE LAW SCHOOL.
THE DENTAL SCHOOL.

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WESTERN RESERVE UNIVERSITY
BULLETINS

New Series

VOL. VII, NO. 1
JANUARY
1904
ANNUAL SUBSCRIPTION
FIFTY CENTS

Western Reserve University

CATALOGUE

1903-1904

[WITH ANNOUNCEMENTS FOR 1904-1905]

CLEVELAND, OHIO

Issued Bimonthly by
WESTERN RESERVE UNIVERSITY
2430 Euclid Ave

[Entered at the Post-Office at Cleveland, Ohio, as second-class matter]

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Western Reserve University

CATALOGUE

1903 - 1904

CLEVELAND, OHIO

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1904

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CALENDAR

1903.		
21–22 Sept.	Monday-Tuesday	Examinations for admission.
22 Sept.	Tuesday	First term begins.
26 Nov.	Thursday	Thanksgiving day.
24 Dec.	Thursday	Winter recess begins.
1904.		
3 Jan.	Sunday	Winter recess ends.
28 Jan.	Thursday	Examinations begin.
6 Feb.	Saturday	First term ends.
7 Feb.	Sunday	Day of prayer for colleges.
8 Feb.	Monday	Second term begins.
22 Feb.	Monday	Washington's birthday.
31 March	Thursday	Easter recess begins.
6 April	Wednesday	Easter recess ends.
30 May	Monday	Decoration day.
2 June	Thursday	General examinations begin.
12 June	Sunday	Baccalaureate sermon.
13 June	Monday	Undergraduate day.
14 June	Tuesday	Prize oratorical contest, Adelbert College.
15 June	Wednesday	Meeting of alumni.
15 June	Wednesday	Commencement, College for Women.
16 June	Thursday	COMMENCEMENT.
17–18 Jnne	Friday-Saturday	Examinations for admission.

SUMMER VACATION OF THIRTEEN WEEKS

19–20 Sept.	Monday-Tuesday	Examinations for admission.
20 Sept.	Tuesday	First term begins.
24 Nov.	Thursday	Thanksgiving day.
24 Dec.	Saturday	Winter recess begins.
1905.		
4 Feb.	Saturday	First term ends.

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..1903..

JULY.

S.	M.	T.	W.	T.	F.	S.
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AUGUST.

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JANUARY.

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JULY.

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SEPTEMBER.

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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WESTERN RESERVE UNIVERSITY

GENERAL STATEMENT

WESTERN RESERVE UNIVERSITY embraces seven departments*—

Adelbert College—formerly the Western Reserve College—founded at Hudson in 1826, and removed to Cleveland in 1882.

The College for Women, established in 1888.

The Department of Graduate Instruction, established in 1892 by the Faculties of Adelbert College and the College for Women; designed to offer to college graduates courses leading to the degree of A. M. and Ph. D.

The Medical College—formerly known as the Cleveland Medical College—founded in 1844, offering a course of four years in medicine.

The Franklin T. Backus Law School, opened in 1892; designed by means of a course of study covering three years, to give an adequate training for the practice of the law.

The Dental Department, opened in 1892; designed to teach the art of dentistry as a department of medicine.

The Library School, opens in September, 1904, with a course of two years in library methods and administration.

Popular and educational lectures are included in the plans of the University.

CHARLES F. THWING, *President.*

*For Articles of Incorporation, see Appendix II.

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TRUSTEES

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HIRAM C. HAYDN, D. D., LL. D., *Vice President*, CLEVELAND.
WILLIAM H. UPSON, A. B., *Vice President*, AKRON.
JOHN HAY, LL. D., WASHINGTON, D. C.
‡SAMUEL E. WILLIAMSON, LL. D., CLEVELAND.
LIBERTY E. HOLDEN, A. M., CLEVELAND.
EDWIN R. PERKINS, A. B., CLEVELAND.
SAMUEL MATHER, A. M., CLEVELAND.
J. HOMER WADE, CLEVELAND.
†WILLIAM H. BALDWIN, A. B., NEW YORK CITY.
†JOEL M. SEYMOUR, A. B., B. D., ALLIANCE.
WASHINGTON S. TYLER, CLEVELAND.
*JOHN H. McBRIDE, CLEVELAND.
‡EDWARD P. WILLIAMS, A. M., CLEVELAND.
†CHARLES M. RUSSELL, A. B., MASSILLON.
*HARRY A. GARFIELD, A. B., CLEVELAND.
*CHARLES L. PACK, CLEVELAND.
†MOSES G. WATERSON, A. M., CLEVELAND.
HERBERT A. HITCHCOCK, A. B., MICHIGAN CITY, IND.
ALFRED A. POPE, CLEVELAND.
LOUIS H. SEVERANCE, CLEVELAND.
HENRY R. HATCH, CLEVELAND.
WORCESTER R. WARNER, CLEVELAND.
LEWIS H. JONES, A. M., YPSILANTI, MICH.
WILLIAM D. REES, CLEVELAND.
†WILLIAM G. MATHER, A. B., CLEVELAND.
*ANDREW SQUIRE, LL. D., CLEVELAND.
†DAVID Z. NORTON, CLEVELAND.
*CHARLES W. BINGHAM, A. B., CLEVELAND.
*CHARLES F. BRUSH, PH. D., LL. D., CLEVELAND.
*HORACE E. ANDREWS, A. B., CLEVELAND.
*GEORGE A. GARRETSON, CLEVELAND.

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FACULTY AND INSTRUCTORS

Arranged alphabetically within each division.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.

President.

A. B., Harvard Coll., 1876; B. D., Andover Theological Seminary, 1879; D. D., Chicago Theological Seminary, 1888; LL. D., Illinois Coll. and Marietta Coll., 1894; President Adelbert College and Western Reserve University, 1890—

HIRAM COLLINS HAYDN, D. D., LL. D., 173 Bellflower Av.

Vice President and Harkness Professor of Biblical Literature.

A. B., Amherst Coll., 1856; D. D., Wooster Univ., 1878; LL. D., Amherst Coll. and Marietta Coll., 1888; President Adelbert College and Western Reserve University, 1887-90; Instructor in Biblical Literature, 1888-96; Professor of Biblical Literature, 1896—

HERBERT AUSTIN AIKINS, PH. D., 23 Adelbert Hall.

Leffingwell Professor of Philosophy.

A. B., Univ. of Toronto, 1887; Instructor, Univ. of Southern California, 1888; Yale Univ., 1888-91; Lecturer on History of Philosophy, Yale Univ., 1890-91; Ph. D., Yale, 1891; Professor of Logic and Philosophy, Trinity Coll., N. C., 1891-93; Honorary Fellow, Clark Univ., 1892-93; Professor of Philosophy, College for Women, 1893—

DUDLEY PETER ALLEN, A. M., M. D., 278 Prospect St.

Professor of the Theory and Practice of Surgery and Clinical Surgery

A. B., Oberlin Coll., 1875; A. M., 1883; M. D., Harvard Univ., 1880; Freiburg, Berlin, Vienna, London, Leipsic, 1880-82; Lecturer and Professor of Surgery, Western Reserve University, 1893—

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Av.

Professor of Operative Dentistry and Hygiene.

Dean of the Dental College.

B. S., Hilladale Coll., 1864; M. S., 1867; D. D. S., Ohio Coll. of Dental Surgery, 1867; M. D., Cleveland Univ. of Medicine and Surgery, 1868; Professor of Dental Science in the same Institution, 1868-70; Lecturer in Dental Hygiene, Dental College of Western Reserve University, 1892; Professor of Operative Dentistry and Hygiene, 1893—

GEORGE C. ASHMUN, M. D., 794 Republic St.

Professor of Hygiene and Preventive Medicine,

Registrar and Bursar of the Medical College.

M. D., Cleveland Medical Coll., 1873; Professor of Diseases of Children, Wooster Univ., 1880-93; Professor of Hygiene, Western Reserve University, 1893—

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.

Professor of Romance Languages.

A. B., Univ. of Michigan, 1889; A. M., 1890; Instructor in French, 1892-95; Student Paris and Vienna, Rome, Florence, Madrid, 1895-98; Ph. D., Univ. of Vienna, 1897; Instructor in French, Univ. of Michigan, 1898-99; Assistant Professor, 1899-1901; Associate Professor of Romance Languages, Adelbert College, 1901-1903; Professor of Romance Languages, 1903—

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HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.

Professor of History.

A. B., Yale Coll., 1883; Principal of High School, Thomaston, Conn., 1883-84; B. D., Yale Divinity School, 1887; Hooker Fellow, Yale Divinity School, 1887-88; Teacher of History and Psychology, Free Acad., Norwich, Conn., 1889-92; Professor of History and Instructor in Philosophy, College for Women, 1892-93; Professor of History, 1893—

WILLIAM HOWARD BRETT, A. M., 205 Wood St.

Dean of Library School.

Lecturer on Library Architecture and Administration.

Adelbert Coll., 1870-71; Univ. of Michigan Medical Coll., 1868-69; Librarian Cleveland Public Library, 1884—; Dean of Western Reserve University Library School, 1903—

FRANK E. BUNTS, M. D., 275 Prospect St.

Professor of the Principles of Surgery and Clinical Surgery.

United States Naval Acad., 1881; M. D., The Medical Coll., Western Reserve Univ., 1886; Lecturer on Minor Surgery, Medical Department of Wooster Univ., 1887-88; Berlin, Vienna, Paris, 1888-89; Professor of Principles of Surgery, Wooster Univ., 1890-94; Professor of the Principles of Surgery and Clinical Surgery in Medical College, Western Reserve University, 1894—

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.

Professor of the Law of Pleading and Practice.

A. B., Ohio Wesleyan Univ., 1873; A. M., 1876; LL. B., Univ. of Michigan, 1876; Professor of Law of Contracts, Western Reserve University, 1896-1902; Professor of the Law of Pleading and Practice, 1902—

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.

Professor of the Law of Agency and Bills and Notes.

A. B., Oberlin, 1885; LL. B., Harvard Univ., 1890; Professor of the Law of Agency, Western Reserve University, 1897—

WILLIAM T. CORLETT, M. D., L. R. C. P. (London), 553 Euclid Av.

Professor of Dermatology and Syphilology.

M. D., Wooster Univ., 1877; L. R. C. P., London, 1882; Professor of Dermatology and Syphilology, Western Reserve University, 1893—

GEORGE W. CRILE, PH. D., M. D., 169 Kensington Av.

Professor of Clinical Surgery.

A. B., Ohio Normal Univ., 1882; A. B., Wooster Univ., 1887; M. D., 1887; Student in New York, Vienna and London, 1887-95; Professor of Physiology and Surgery, Wooster Medical Coll., 1897-1900; Ph. D., Hiram Coll., 1899; Professor of Clinical Surgery, Western Reserve University, 1900—

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.

Handy Professor of Philosophy.

A. B., Hamilton Coll., 1880; B. D., Union Theological Seminary, 1883; A. M., Hamilton Coll., 1883; Pastor at Hastings-on-Hudson and at Cleveland, 1883-88; Univ. of Leipsic, 1888-91; Ph. D., 1890; Professor of Philosophy, Adelbert College, 1891—

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HENRY PLATT CUSHING, M. S., 260 Sibley St.

Professor of Geology.

Ph. B., Cornell Univ., 1882; Cornell Univ., 1882-83; School of Mines, Columbia Coll., 1883-84; Cornell Univ., 1884-85; M. S., 1885; Instructor in Geology, Chemistry and Physics, State Normal School, Mankato, Minn., 1885-91; Univ. of Munich, 1891-92; Instructor in Geology and Chemistry, College for Women, 1892-93; Associate Professor of Geology, 1893-95; Professor of Geology, 1895—

EDWARD FITCH CUSHING, PH. B., M. D., 1160 Euclid Av.

Professor of the Diseases of Children.

Ph. B., Cornell Univ., 1883; M. D., Harvard Univ., 1888; Professor of the Diseases of Children, Western Reserve University, 1894—

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.

Professor of Therapeutics.

A. B., Williams Coll., 1858; A. M., 1861; M. D., Western Reserve Univ., 1861; Professor of Materia Medica and Therapeutics, Western Reserve University, 1867—

ROBERT WALLER DEERING, PH. D., The Euclid, 2662 Euclid Av.

Professor of Germanic Languages and Literature.

Dean of the Graduate School.

Centre Coll., 1879-80; Vanderbilt Univ., 1880-85; A. B., 1884; A. M., 1885; Instructor in German, Vanderbilt Univ., 1885-86; Univ. of Leipsic, 1886-89; Ph. D., 1889; Adjunct Professor of Germanic Languages and Literature, Vanderbilt Univ., 1889-92; Professor of Germanic Languages and Literature, College for Women, 1892—

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.

Oviatt Professor of Rhetoric and English Philology.

A. B., Iowa Coll., 1882; A. M., 1885; Superintendent of Schools, Grinnell, Ia., 1882-84; Muscatine, Ia., 1884-85; Principal of the Academy of Iowa Coll., 1885-88; Goodwin Smith Fellow in English, Cornell Univ., 1888-89; Instructor in English, Cornell Univ., 1889-91; Ph. D., 1891; Assistant Professor of Rhetoric and English Philology, 1892-96; Professor of Rhetoric and English Philology, Adelbert College, 1896—

HAROLD NORTH FOWLER, PH D., (Absent for the year.)

Clark Professor of Greek.

A. B., Harvard Coll., 1880; Classical Master in Marston's University School, Baltimore, 1880-82; Johns Hopkins Univ., 1880-81; American School of Classical Studies in Athens, 1882-83; Univ. of Berlin, 1883-84; Univ. of Bonn., 1884-85; Ph. D., 1885; Instructor in Greek, Latin, and Archæology, Harvard Coll., 1885-88; Intructor in Latin, Phillips Exeter Acad., 1888-90; Professor of Latin, Phillips Exeter Acad., 1890-92; Professor of Greek, Univ. of Texas, 1892-93; Professor of Greek, College for Women, 1893—

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.

Profcssor of Greek.

A. B., Dartmouth Coll., 1885; A. M., 1888; Univ. of Leipsic, 1885-87; Univ. of Erlangen, 1887-88; Ph. D., 1888; Instructor in Latin and French, Adelbert Coll., 1889-90; Professor of Greek, College for Women, 1890-93; Professor of Greek, Adelbert College, 1893—

ALEXANDER HADDEN, A. B., 1670 Lexington Av.

Professor of the Law of Crimes, Criminal Procedure, and Damages.

A. B., Oberlin Coll., 1873; Professor of the Law of Crimes and Damages, Western Reserve University, 1894—

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CARL A. HAMANN, M. D., 661 Prospect St.

Professor of Anatomy.

M. D., Univ. of Pennsylvania, 1890; Demonstrator of Anatomy, Univ. of Pennsylvania, 1890-93; Professor of Anatomy, Western Reserve University, 1893—

CHARLES HARRIS, PH. D., 787 N. Logan Av.

Professor of German.

A. B., Indiana Univ., 1879; Ph. D., Univ. of Leipsic, 1883; Instructor in German, Academic Department of Vincennes Univ., 1883-86; Professor of French and German, Southern Illinois State Normal School, 1886-88; Professor of German, Oberlin Coll., 1888-93; Professor of German, Adelbert College, 1893—

FRANCIS HOBART HERRICK, PH. D., D. Sc. (Absent on Leave.)

Professor of Biology and Curator of the Zoological Collection.

A. B., Dartmouth Coll., 1881; Ph. D., Johns Hopkins Univ., 1888; D. Sc., Western Univ. of Pennsylvania, 1897; Instructor in Biology, Adelbert College, 1888-91; Professor of Biology, 1891—

FRANCIS RUFUS HERRICK, A. B., 449 Russell Av.

Professor of the Law of Torts.

A. B., Yale Univ., 1888; Professor of Law of Torts, Western Reserve University, 1897—

CHARLES F. HOOVER, A. B., M. D., 702 Rose Building

Professor of Physical Diagnosis.

A. B., Harvard Univ., 1890; M. D., 1892; Professor of Physical Diagnosis, Western Reserve University, 1895—

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.

Professor of the Law of Contracts and Equity Jurisdiction, Dean of the Law School.

A. B., Adelbert Coll., 1889; LL. B., Harvard Univ., 1892; Professor of Law of Contracts and Equity Jurisdiction and Dean of Law School, Western Reserve University, 1892—

WILLIAM T. HOWARD, JR., M. D., 88 Dorchester Av.

Professor of Pathology, Pathological Anatomy and Bacteriology.

Univ. of Virginia, 1885-87; M. D., Univ. of Maryland, 1889; Johns Hopkins Univ., 1889-94; Professor of Pathology and Bacteriology, Western Reserve University, 1894—

PAUL HOWLAND, A. M., LL. B., Huron Terrace.

Professor of the Law of Pleading and Partnership.

A. B., Oberlin Coll., 1884; A. M., 1894; LL. B., Harvard Univ., 1890; Professor of Law of Pleading and Practice, and Partnership, Western Reserve University, 1896—

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.

Professor of English.

A. B., Vanderbilt Univ., 1890; Assistant in Greek, 1889-90; Univ. of Leipsic, 1891-92; Univ. of Jena, 1892-93; Univ. of Freiburg, 1893-94; Ph. D., 1894; Instructor in German, Adelbert College, 1894-96; Associate Professor of English, College for Women, 1896-1900; Professor of English, 1900—

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HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.

Professor of Constitutional Law.

A. B., Oberlin Coll., 1885; A. M., LL. B., Harvard Univ., 1888; Professor of the Law of Trusts and Constitutional Law, Western Reserve University, 1893—

JAMES LAWRENCE, A. B., 709 Genesee Av.

Professor of the Law of Public and Private Corporations.

A. B., Kenyon Coll., 1871; Professor of the Law of Public and Private Corporations, Western Reserve University, 1896—

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.

Professor of Medicine and Clinical Medicine.

A. B., Connecticut Wesleyan Univ., 1871; A. M., 1874; M. D., Wooster Medical Coll., 1873; M. D., Coll. of Physicians and Surgeons, New York, 1876; Professor of Medicine, Western Reserve University, 1881—

JOHN JAMES R. MACLEOD, M. B. (Aberd.), D. P. H. (Camb.),

Professor of Physiology. 54 Collins Place.

M. B., Ch. B., Aberdeen Univ., 1898; Anderson Fellow, Aberdeen Univ., 1898-1900; Demonstrator in Physiology, London Hospital, 1900-1903; Mackinnon Research Student, Royal Society, 1902-1903; D. P. H. (Camb.), 1902; Lecturer in Bio-Chemistry, London Hospital, 1902; Professor of Physiology, Western Reserve University, 1903—

BENJAMIN L. MILLIKIN, A. M., M. D., 278 Prospect St.

Professor of Ophthalmology,

Dean of the Medical College.

A. B., Allegheny Coll., 1874; A. M., 1877; M. D., Univ. of Pennsylvania, 1879; Ophthalmic Surgeon Charity Hospital, 1884; Lakeside Hospital, 1893; Professor of Ophthalmology, Western Reserve Univ., 1894—; Dean of Medical College, Western Reserve University, 1900—

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,

The Everlyne, 63 Ingleside Av.

Hurlbut Professor of Natural History and Chemistry.

A. B., Williams Coll., 1860; A. M., 1863; M. D., Cleveland Medical Coll., 1877; Ph. D., Wooster Univ., 1879; LL. D., Western Reserve Univ., 1891; Williams Coll., 1901; Professor of Chemistry, Western Reserve College and Adelbert College, 1869—

ANNA HELENE PALMÉ, PH. B., 48 Mayfield St.

Professor of Mathematics.

Ph. B., Cornell Univ., 1890; Fellow in Mathematics, 1890-91; Instructor in Mathematics and German, College for the Training of Teachers, New York City, 1891-92; Instructor in Mathematics, College for Women, 1892-93; Associate Professor of Mathematics, 1893-95; Professor of Mathematics, 1895—

CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.

Professor of the Law of Real Property.

Professor of the Law of Real Property, Western Reserve University, 1892—

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EMMA MAUD PERKINS, A. B., 121 Adelbert St.

Woods Professor of Latin.

A. B., Vassar Coll., 1879; Instructor in Classics, Central High School, Cleveland, 1879-92; Associate Professor of Latin, College for Women, 1892-93; Professor of Latin, 1893—

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.

Professor of Operative Technique and Dental Anatomy.

D. D. S., Western Reserve University, 1898; Demonstrator of Prosthetic Dentistry, 1898-1901; Instructor of Prosthetic and Operative Technique, and Lecturer on Dental Anatomy, 1901-1903; Professor of Operative Technique and Dental Anatomy, 1903—

JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.

Haydn Professor of History.

Ph. B., Illinois Wesleyan Univ., 1887; Assistant Principal of High School, Danville, Ill., 1887-88; Superintendent of Schools, Petersburg, Ill., 1888-89; A. M., Wabash Coll., 1889; Johns Hopkins Univ., 1890-92; Univ. of Chicago, 1892-93; Professor of History and Political Economy, Wisconsin State Normal School, Platteville, Wis., 1893-94; Ph. D., Univ. of Chicago, 1895; Professor of History and Politics, Allegheny Coll., 1895-98; Professor of History, Adelbert College, 1898—

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.

Professor of Latin and Instructor in Sanskrit.

Secretary of the Faculty of Adelbert College.

A. B., Yale Coll., 1883; Ph. D., 1885; Instructor in Latin and French, Adelbert Coll., 1885-90; Assistant Professor of Latin, Adelbert Coll., 1890-92; Professor of Latin, Adelbert College, 1892—

LEMUEL STOUGHTON POTWIN, A. M., D. D., 389 Rosedale Av.

Professor of the English Language and Literature.

A. B., Yale Coll., 1854; A. M., 1857; Tutor in Yale, 1858-60; D. D., 1886; Professor of Latin, Western Reserve Coll. and Adelbert College, 1871-92; Professor of the English Language and Literature, 1892—

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.

Professor of Obstetrics and Pediatrics.

M. D., Virginia Medical Coll., 1867; A. M., Western Reserve Univ., 1894; Professor of Obstetrics and Pediatrics, Western Reserve University, 1875—; Dean of Medical College, 1895-1900.

WESTON A. VALLEAU PRICE, D. D. S., M. E., 2238 Euclid Av.

Professor of Applied Electricity.

D. D. S., Univ. of Mich., 1893; Demonstrator, Electro-Therapeutics and Elect. Appliances, Western Reserve Univ., 1897; Lecturer, 1901-1903; Professor of Applied Electricity, 1903—

HUNTER ROBB, A. B., M. D., 702 Rose Building.

Professor of Gynecology.

A. B., Univ. of Pennsylvania, 1880; M. D., 1884; House Staff, Presbyterian Hospital, Philadelphia, 1885; Episcopal Hospital, 1886; Assistant Surgeon, Kensington Hospital, 1887; Vienna, Berlin, Prague, Leipsic, Paris, London, 1888-89; Associate Professor of Gynecology, Johns Hopkins Univ., 1889-94; Professor of Gynecology, Western Reserve University, 1894—

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JOHN P. SAWYER, A. M., M. D., 536 Rose Building.

Professor of Medicine and Clinical Medicine.

A. B., Adelbert Coll., 1883; A. M., M. D., Western Reserve Univ., 1886; Professor of Medicine and Clinical Medicine, Western Reserve University, 1889—

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.

Professor of Mathematics.

A. B., Western Reserve Coll., 1870; A. M., 1873; Professor of Mathematics and Perkins Professor of Natural Philosophy and Astronomy, Western Reserve Coll., 1870-82; Professor of Mathematics, Adelbert College, 1882—

ARTHUR ADELBERT STEARNS, A M., 87 Oakdale St.

Professor of the Law of Suretyship and Mortgage.

A. B., Buchtel Coll., 1879; A. M., 1883; Professor of Law of Suretyship and Mortgage, Western Reserve University, 1894—

ROGER GRISWOLD PERKINS, A. B., M. D., 1527 Euclid Av.

Professor of Bacteriology and Assistant in Pathology.

A. B., Union Coll., 1893; A. B., Harvard Univ., 1894; M. D., Johns Hopkins Univ., 1898; Resident Pathologist, Lakeside Hospital, 1898-1901; Demonstrator of Pathology, Western Reserve Univ., 1899-1901; Fellow in Research of the Rockefeller Institute, 1901-2; Lecturer in Bacteriology, 1901; Professor of Bacteriology, The Dental College, 1903—

HENRY S. UPSON, A. B., M. D., 514 New England Building.

Professor of Neurology.

A. B., Western Reserve Coll., 1880; M. D., Coll. of Physicians and Surgeons, New York, 1884; Staff of Roosevelt Hospital, New York, 1885-86; Berlin and Heidelberg, 1886-87; Professor of Neurology, Western Reserve University, 1893—

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.

Professor of Dental Medicine.

Adelbert Coll., 1885-87; D. D. S., New York Coll. of Dentistry, 1890; Lecturer on Materia Medica and Dental Therapeutics, Western Reserve University, 1892-96; Professor of Dental Medicine, 1896—

HENRY CLAY WHITE, B. L., A. M., 344 Harkness Av.

Professor of the Law of Wills and Estates.

B. L., Univ. of Michigan, 1862; A. M., Hiram Coll., 1891; Probate Judge of Cuyahoga Co., 1888—; Professor of Medical Jurisprudence, Cleveland Homeopathic Medical Coll., 1891; Professor of Testamentary Law and Probate Procedure, Western Reserve University, 1892—

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.

Perkins Professor of Physics and Astronomy.

Dean of Adelbert College.

A. B., Brown Univ., 1874; A. M., 1877; D. Sc., 1900; Brown Univ., Massachusetts Inst. of Technology, 1879; Johns Hopkins Univ., 1879-80; Professor of Physics, Rensselaer Polytechnic Inst., 1880-85; Profesor of Physics, Adelbert College, 1885—

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WILL HENRY WHITSLAR, M. D., D. D. S., 700 Schofield Bldg.

Professor of Pathology.

Secretary of the Dental College.

D. D. S., Univ. of Michigan, 1885; M. D., Rush Medical Coll., 1886; Professor of Dental Anatomy and Pathology and Secretary of the Dental College of Western Reserve University, 1892—

FRANK BEVERLY WILLIAMS, A. M., LL. B., 59 The Morris.

Professor of the Law of Evidence and Trusts.

A. B., Harvard Univ., 1888; Instructor in Political Economy and Assistant in American History, 1889-90; A. M., 1890; Traveling Fellow, 1890-92; Instructor in Roman Law, 1892-97; LL. B., 1895; Assistant Professor of Law, 1897-98; Professor of the Law of Evidence, Personal Property and Trusts in Western Reserve University, 1899—

GEORGE HENRY WILSON, D. D. S., 701 Schofield Bldg.

Professor of Prosthesis and Metallurgy, and Superintendent of Laboratories and Clinics.

D. D. S., Univ. of Michigan, 1878; Professor of Prosthetics and Metallurgy, Western Reserve University, 1892—

DOUGLAS AUSTIN WRIGHT, D. D. S., 269 Cedar Av.

Professor of Clinical Prosthetic Dentistry.

D. D. S., Western Reserve University Dental College, 1899; Demonstrator of Operative Dentistry, 1900-1903; Professor of Clinical Prosthetic Dentistry, 1903—

DANIEL HENDRIX ZIEGLER, D. D. S., 726 Rose Bldg.

Professor of Clinical Operative Dentistry.

D. D. S., Western Reserve Univ., 1899; Demonstrator in Operative Dentistry, Dental College of Western Reserve University, 1899-1902; Professor of Clinical Operative Dentistry, 1902—

JOHN DICKERMAN, A. B., 1957 Doan St.

Assistant Professor of Mathematics, Registrar.

A. B., Adelbert Coll., 1891; Instructor in Mathematics, Western Reserve Acad., 1891-94; Johns Hopkins Univ., 1894-95; Chamberlin Observatory, Denver Univ., 1895-96; Univ. of Chicago, 1896-97; Instructor in Mathematics, Adelbert College, 1897-1903; Assistant Professor of Mathematics, 1903—

HIPPOLYTE GRUENER, PH. D., 43 Knox St.

Associate Professor of Chemistry.

A. B., Yale Coll., 1891; Ph. D., 1893; Instructor in Chemistry and Physics, Hill School, Pottstown, Pa., 1893-94; Univ. of Munich, 1894-95; Instructor in Chemistry, Adelbert Coll., 1895—; Associate Professor of Chemistry, College for Women, 1898—

HOWELL MERRIMAN HAYDN, A. B., 95 Mayfield St.

Associate Professor of Biblical Literature.

A. B., Adelbert Coll., 1896; Auburn Theological Sem., 1896-99; Diploma, 1899; Instructor in Biblical Literature, College for Women, 1899-1903; Associate Professor of Biblical Literature, 1903—

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WILLIS S. HOBSON, A. B., M. D., 2238 Euclid Av.

Assistant Professor of Histology.

A. B., Harvard Univ., 1896; M. D., Western Reserve Univ., 1898; Assistant in Medicine, Lakeside Hospital Dispensary, Assistant Professor of Histology, Western Reserve Dental College, 1903—

WILLIAM H. HUMISTON, M. D., 536 Rose Building.

Associate Professor of Gynecology.

M. D., Long Island College Hospital, 1879; Associate Professor of Gynecology, Medical Department of Western Reserve University, 1895—

JOHN M. INGERSOLL, A. M., M. D., 50 Euclid Av.

Assistant Professor of Otology, Rhinology and Laryngology.

A. B., Adelbert Coll., 1891; A. M., 1896; M. D., Medical Coll., Western Reserve Univ., 1893; House Staff Cleveland City Hospital, 1894; Universities of Vienna, Berlin and London, 1894-96; Lecturer on Otology, Rhinology and Laryngology, Western Reserve University, 1895-1903; Assistant Professor of Otology, Rhinology and Laryngology, 1903—

WILLIAM R. LINCOLN, M. D., 210 Lennox Building.

Assistant Professor of Otology, Rhinology and Laryngology.

M. D., Univ. of Pennsylvania, 1888; Lecturer on Otology, Rhinology and Laryngology, Western Reserve University, 1896-1903; Assistant Professor of Otology, Rhinology and Laryngology, 1903—

WALTER TAYLOR MARVIN, PH. D., 43 Spangler Av.

Assistant Professor of Philosophy.

A. B., Columbia, 1893; Univ. of Jena, 1893-94; General Theological Seminary, New York, 1894-95; Columbia, 1895-97; Halle and Bonn, 1897-98; Ph. D., Bonn, 1898; Assistant in Philosophy, Columbia, 1898-99; Instructor in Philosophy, Adelbert College, 1899-1903; Assistant Professor of Philosophy, 1903—

EDWARD STOCKTON MEYER, PH. D., The Somerset, Billings Av.

Assistant Professor of German.

B. L., Adelbert Coll., 1893; Univ. of Leipsic, 1893-94; Univ. of Heidelberg, 1894-96; Ph. D., 1896; Instructor in German, Western Reserve Univ., 1896-99; Instructor in German, Adelbert College, 1899-1902; Assistant Professor of German, 1902—

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.

Associate Professor of Church History.

A. B., Amherst Coll., 1889; A. M., 1896; Oberlin Theological Sem., 1890-92; B. D., Hartford Theological Sem., 1893; Universities of Halle, Berlin, and at Paris, 1893-97; B. D., Oberlin Theological Sem., 1896; Assistant in History, College for Women, 1897-1900; Instructor in Historical Bibliography, 1901-1902; Associate Professor of Church History, Adelbert College, 1902—

TORALD SOLLMANN, M. D., 102 Handy St.

Associate Professor of Pharmacology and Materia Medica.

M. D., Western Reserve Univ., 1896; Lecturer on Pharmacology, Western Reserve University, 1898-1901; Assistant Professor of Pharmacology and Materia Medica, 1901-03; Associate Professor, 1903—

JOHN SHELL TIERNEY, M. D., 532 Rose Building.

Assistant Professor of Anatomy.

M. D., Western Reserve Univ., 1897; Demonstrator of Anatomy, Medical College, 1901; Assistant Professor of Anatomy, The Dental College, 1903—

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OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.

Assistant Professor of Chemistry.

A. B., Wesleyan Univ., 1892; A. M., 1893; Assistant in Chemistry, Wesleyan Univ., 1893-94; Univ. of Leipsic, 1894-95; Ph. D., 1895; Assistant Chemist in Nutrition Investigations, Department of Agriculture, 1895-98; Assistant in Chemistry, Wesleyan Univ., 1896-98; Instructor in Chemistry, Adelbert College, 1898-1901; Assistant Professor, Adelbert College, 1901—

FREDERICK C. WAITE, A. M., PH. D. (Harvard), 77 Hillburn Av.

Assistant Professor of Histology and Embryology.

B. L., Adelbert Coll., 1892; A. M., Western Reserve Univ., 1894; A. M., Harvard Univ., 1896; Ph. D., 1898; Assistant in Biology, Adelbert Coll., 1892-95; Assistant in Zoology, Harvard Univ., 1897-98; Instructor in Biology, Peter Cooper High School, New York City, 1898-1900; Instructor in Biology, New York Univ., 1899-1900; Assistant in Anatomy, Rush Medical Coll., of the Univ. of Chicago, 1900-1901; Assistant Professor of Histology and Embryology, Western Reserve University, 1901—

WILLIAM HAWKSLEY WEIR, M. D., C. M., 260 Euclid Av.

Assistant Professor of Physiology.

M. D., C. M., Trinity Univ. (Toronto), 1896; Home Surgeon, Toronto General Hospital, 1896-97; Resident Gynecologist, Lakeside Hospital, 1898-1900; Assistant Visiting Gynecologist, 1899-1900; Student at Prague, Vienna, etc., 1900-1901; Instructor in Gynecology, Western Reserve University, 1899; Assistant Professor of Physiology, The Dental College, 1903—

ELBERT JAY BENTON, PH. D., The Auburn, 3020 Euclid Av.

Instructor in History.

A. B., Campbell Coll., Kansas, 1895; Principal High School, Holton, Kan., 1895-97; Johns Hopkins Univ., 1897-98; Instructor in History, High School, Lafayette, Ind., 1898-1901; Scholar, Johns Hopkins Univ., 1901; Fellow in History, 1902; Assistant in History, 1902-03; Ph. D., 1903; Instructor in History, Adelbert College, 1903—

CLARENCE POWERS BILL, PH. D., 853 Logan Av.

Instructor in Latin and Greek.

A. B., Adelbert Coll., 1894; A. M., 1895; A. M., Harvard Univ., 1896; Ph. D., 1898; Instructor in Latin, Adelbert College, 1898—

JOSEPH LEOPOLD BORGERHOFF, A. M., The Auburn, 3020 Euclid Av.

Instructor in Romance Languages.

Graduate of the Royal Normal School, Bruges (Belgium), 1889; Univ. of Brussels, 1889-91; Fellow and Assistant in Romance Languages, Vanderbilt Univ., 1900-01; A. M., 1901; Assistant in German, Univ. of Wisconsin, 1901-02; Fellow in Romance Languages and Instructor in Spanish, Univ. of Chicago, 1902-03; Assistant in Romance Languages, Summer Session, 1903; Instructor in Romance Languages, College for Women, 1903—

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.

Instructor in Surgery.

A. B., Oberlin Coll., 1893; A. M., 1897; M. D., Harvard Univ., 1897; Massachusetts General Hospital, Boston, 1897-98; Resident Surgeon, Lakeside Hospital, 1899-1900; Assistant in Surgery, Western Reserve University, 1899-1900; Demonstrator in Surgery, 1900-1903; Instructor in Surgery, 1903—

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WILLIAM DINSMORE BRIGGS, PH. D., The Euclid, 2662 Euclid Av.

Instructor in English.

A. B., Stanford Univ., 1896; A. M., Harvard Univ., 1899; Ph. D., 1900; Instructor in English and German, Univ. of Vermont, 1900-01; Instructor in English, Adelbert College, 1901—

MARY GEORGE CLARK, Guilford House.

Instructor in Physical Training.

Sargent Normal School of Gymnastics, 1900; Instructor in Histology, Sargent Normal School, 1900-1901; Instructor in Histology, Hemenway Gymnasium, Harvard Univ., summer 1901; Instructor in Physical Training, College for Women, 1901—

CHARLES EDWIN CLEMENS, 1093 Prospect St.

Instructor in the History and Theory of Music.

FRANK MACMILLAN COBB, A. B., LL. B., 2509 Euclid Av.

Instructor of the Law of Agency.

A. B., Yale Univ., 1897; LL. B., Western Reserve Univ., 1899; Instructor in the Law of Agency, Western Reserve University, 1903—

ESTHER CRAWFORD, B. L., 466 Franklin Av.

Instructor in Classification and Cataloguing.

B. L., Iowa State Coll. (Ames.), 1887; Cataloguer, Iowa State Coll. Library, 1888-91; Student, New York State Library School, 1889-90, 1895-96; Cataloguer Sioux City (Ia.) Library, 1892-93; Librarian, 1893-95; Head Cataloguer and Assistant in Training Class, Dayton (O.) Public Library, 1896-1901; Assistant Librarian Adelbert Coll. Library, 1901-1903; Instructor in Library Science, Cleveland City Normal School, 1903; School Reference Librarian and Instructor of Training Class, 1903-1904; Chief Instructor in Summer Schools for Librarians, Cleveland Public Library, 1898-1900; Iowa State Univ., 1901-1904; Instructor in Cataloguing and Classification, Library School, Western Reserve University, 1904—

LINDA ANNE EASTMAN, 798 Republic St.

Instructor in Library Extension and Supervision, Reports and Statistics.

Assistant Cleveland Public Library, 1892-95; Assistant Librarian and Cataloguer, Dayton (O.) Public Library, 1895-96; Vice-Librarian, Cleveland Public Library, 1896—; Lecturer and Instructor, Library School, Western Reserve University, 1904—

ADELAIDE FRANCES EVANS,

Secretary of the Library School.

Graduate Pratt Institute Library School, 1892; Pratt Institute Free Library, 1902-1903; Marietta Coll. Library, 1903-1904; Secretary and Reviser, Library School, Western Reserve University, 1904—

CLAYTON KING FAUVER, Ph. B., LL. B., 727 Case Av.

Instructor in Torts and History of Procedure, and in charge of Review Work.

Ph. B., Oberlin Coll., 1897; Western Reserve University, 1897-1900; LL. B., 1900; Lecturer and Instructor, Western Reserve University, 1901—

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JAMES ALBERT FORD, A. M., LL. B., 126 Ingleside Av.

Instructor of the Law of Personal Property and Pleading.

A. B., Adelbert Coll., 1891; A. M., Harvard Univ., 1892; LL. B., Harvard Univ., 1894; Instructor in the Law of Personal Property and Pleading, Western Reserve University, 1903—

FREDERICK WILLIAM GREEN, LL. B., Rice Av., Newburgh.

Instructor in Sales.

LL. B., Western Reserve Univ., 1896; Lecturer in Western Reserve University, 1897—

CARL BYRON JAMES, B. S., South Euclid, O.

Instructor in Biology.

B. S., Baldwin Univ., 1894; Johns Hopkins Univ., 1894-95; German Wallace Coll., 1895-96; Assistant in Biological Laboratory, Adelbert Coll., 1896-1902; Instructor in Biology, College for Women, 1902—

WINFRED GEORGE LEUTNER, A. B., 137 Arlington St.

Instructor in Greek.

A. B., Adelbert College, 1901; Johns Hopkins Univ., 1901-03; appointed Fellow in Greek, 1903; Instructor in Greek, Adelbert College, 1903—

MARGARET MANN, Carnegie Library, Pittsburgh, Pa.

Instructor in Public Documents.

Graduate Armour Institute Library School, 1895; Assistant Librarian and Instructor in Library Economy, 1895-1903; Chief Cataloguer in Carnegie Library, Pittsburg, 1903—; Instructor in Public Documents, Library School, Western Reserve University, 1904—

JOHN MILLS, A. B., 81 Mayfield St.

Instructor in Physics.

A. B., Univ. of Chicago, 1901; Fellow in Physics, Univ. of Chicago, 1901-1902; Fellow in Physics, Univ. of Nebraska, 1902-1903; Instructor in Physics, Univ. of Cincinnati, 1903; Instructor in Physics, Adelbert College, 1903—

CLARA LOUISE MYERS, PH. B., 95 Mayfield St.

Instructor in English.

B. S., Ohio Normal Univ., 1887; Assistant in High School, Fenton, Mich., 1887-90; Principal of High School, New Philadelphia, O., 1890-91; Instructor in Ohio Normal Univ., 1891-94; Cornell Univ., 1894-96; Ph. B., 1896; Instructor in Ohio Normal Univ., 1896-97; Principal of High School, New Philadelphia, O., 1898-99; Univ. of Chicago, 1899-1900; Assistant in English Literature, Cornell Univ., 1900-1901; Univ. of Chicago, 1901-02; Instructor in English, College for Women, 1903—

EUPHEMIA LOUISE POWER, 785 Eddy Road, Glenville.

Instructor in Work with Children.

Assistant Cleveland Public Library, 1895-98; Cleveland Summer School, 1898; Children's Librarian, 1898-1902; Student and Instructor, Training School for Children's Librarians, Carnegie Library, Pittsburg, 1902-1903; Supervisor Children's Work, Cleveland Public Library, 1903; Instructor in Library Science and Juvenile Literature, Cleveland City Normal School, 1903-1904; Instructor in Children's Work, Library School, Western Reserve University, 1904—

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CHARLES WILLIAM PRENTISS, PH. D., 77 Hillburn Av.

Instructor in Biology.

A. B., Middlebury Coll., 1896; A. M., 1897; A. M., Harvard Univ., 1898; Ph. D., 1900; Assistant in Zoology, Harvard Univ., 1898-1900; Instructor in Anatomy, 1900-01; Traveling Fellow, at Universities of Freiburg and Strassburg, 1901-03; Instructor in Biology, Adelbert College, 1903—

WILLIAM SPENCE ROBERTSON, PH. D., 24 Adelbert Hall.

Instructor in History.

B. L., Univ. of Wisconsin, 1899; M. L., Univ. of Wisconsin, 1900; Graduate Scholar in American History, Univ. of Wisconsin, 1900-1901; Bulkley Fellow in American History, Yale Univ., 1901-1903; Ph. D., Yale Univ., 1903; Instructor in History, College for Women, 1903—

EDWARD VON DEN STEINEN, 883 Central Av.

Instructor in Physical Training and Director of Gymnasium.

Springfield (Mass.) Training School, 1900; Physical Director, Northampton Y. M. C. A., 1899-1900; Cumberland (Md.) Y. M. C. A., 1900-01; Instructor in Physical Training and Director of Gymnasium, Univ. of North Carolina, 1901-1903; Assistant Instructor in Heavy Gymnastics, Harvard Summer School of Physical Training, 1903; Instructor in Physical Training and Director of Gymnasium, Adelbert College, 1903—

JULIA MARGARET WHITTLESEY, B. L., B. L. S., 27 Oakdale St.

Instructor in Order and Accession Records, Duplicates and Gifts, Serials, Loan Systems.

B. L., Lake Erie Coll., 1899; Assistant Cleveland Public Library, 1900-1901; Albany Library School, 1901-1903; B. L. S., 1903; Instructor in Library Science, Simmons Coll., 1903-1904; Instructor, Library School, Western Reserve University, 1904—

ROLLIN ABBOTT WILBUR, LL. B., 820 Fairmount St.

Instructor in Contracts and Carriers.

Student, Western Reserve Univ. Law School, 1899-1900; Harvard Univ. Law School, 1900-1902; LL. B., 1902; Lecturer on Contracts and Carriers, Western Reserve University, 1902—

EDWARD CHRISTOPHER WILLIAMS, B. L. 71 Elberon St., E. Cleveland.

Instructor in Trade and National Bibliography...Order Department. Reference Work.

B. L., Adelbert Coll., 1892; Librarian Adelbert Coll., 1894—; Student, Albany Library School, 1899-1900; Instructor in Bibliography and Reference Work, Library School, Western Reserve University, 1904—

GRACE ELSTNER WOODWARD, B. PD., Ann Arbor, Mich.

Instructor in Bookbinding.

B. Pd., Graduate Michigan Normal Coll., 1892; Assistant Michigan Normal Coll., 1892-1900; Assistant in Law Library, Univ. of Michigan, 1900; Instructor in Bookbinding, Library School, Western Reserve University, 1904—

ALLYN ABBOTT YOUNG, PH. D., 18 Adelbert Hall.

Instructor in Economics.

Ph. B., Hiram College, 1894; Univ. of Wisconsin, 1898-99; Statistician, U. S. Census Office, 1899-1900; Fellow in Economics, Univ. of Wisconsin, 1900-1901; Assistant in Economics, 1901-1902; Ph. D., Univ. of Wisconsin, 1902; Instructor in Economics, Adelbert College and the College for Women, 1902—

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HENRY A. BECKER, M. D., 105 Lennox Building.

Lecturer on Fractions and Dislocations.

Adelbert Coll., 1891-93; Western Reserve Medical Coll., 1891-94: M. D., 1894; Demonstrator of Surgical Appliances, 1898-1903; Lecturer on Fractions and Dislocations, Western Reserve Medical College, 1903—

HARRIET BARDWELL CHAPMAN, A. B., M. D., 810 Rose Bldg.

Lecturer on Hygiene, College for Women.

A. B., Wellesley Coll., 1893; M. D., Cleveland Medical Coll., 1896; Clinical Assistant, Eye and Ear Department, Good Samaritan Dispensary, 1897; Lecturer on Hygiene, College for Women, 1900—

ELECTRA COLLINS DOREN, Dayton, Ohio.

Lecturer on Assistance to Readers.

Librarian of Dayton Public Library, 1896—

FREDERICK AUGUSTUS HENRY, A. M., LL. B., Williamson Bldg.

Lecturer on Dental Jurisprudence.

A. B., Hiram Coll., 1888; A. M., LL. B., Univ. of Michigan, 1891; Professor of Law of Torts, Western Reserve University, 1894-1899; Lecturer of Dental Jurisprudence, 1899—

LOUIS W. LADD, A. B., M. D., The Montana, Hayward and Prospect.

The Leonard Hanna Lecturer on Clinical Miscroscopy.

A. B., Yale Univ., 1895; Johns Hopkins Univ., 1896-99; M. D., 1899; Assistant Resident Physician, Johns Hopkins Univ. Hospital, 1899-1900; Resident Physician, Lakeside Hospital, 1900-01; Lecturer in Clinical Microscopy, Western Reserve University, 1901—

CHARLES ORR, 1662 Lamont St

Lecturer on History of Libraries. Book Clubs and Book Collecting.

Librarian of Case Library, 1888—; Lecturer in the Library School, Western Reserve University, 1904—

HAROLD REMINGTON, A. B., 425 Rosedale Av.

Lecturer on the Law of Bankruptcy.

A. B., Univ. of Michigan, 1888; Law School and Georgetown Univ., 1888-90; Lecturer on Bankruptcy, Western Reserve University, 1903—

AZARIAH SMITH ROOT, A. M., Oberlin, Ohio.

Lecturer on Book Printing and Illustrating.

A. B., Oberlin Coll., 1884; A. M., Oberlin Coll., 1887; Student, Boston Univ. Law School, 1884-85; Cataloguer, Oberlin Coll. Library, 1885-86; Student, Harvard Univ. Law School, 1886-87; Librarian, Oberlin Coll., 1887—; Student, Univ. of Gottingen, 1898-99; Professor of Bibliography, Oberlin College, 1890—

RUSSELL H. BIRGE, A. B., M. D., 260 Euclid Av.

Demonstrator of Surgery.

WILLIAM E. BRUNER, A. M., M. D., 514 New England Building.

Demonstrator of Ophthalmology.

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EDWARD P. CARTER, M. D., 260 Euclid Av.
Demonstrator of Medicine.

FRANK S. CLARK, A. M., M. D., 621 Rose Building.
Demonstrator of Obstetrics.

PERCY W. COBB, B. S., M. D., 743 Republic St.
Demonstrator of Physiology.

JOHN C. DARBY, A. B., M. D., 207 Osborn Building.
Demonstrator of Medicine.

DAVID H. DOLLEY, A. B., M. D., Lakeside Hospital.
Demonstrator of Pathology at Lakeside Hospital.

ROBERT A. HATCHER, PH. G., M. D., Erie and St. Clair Sts.
Demonstrator of Pharmacology and Materia Medica.

FREDERICK C. HERRICK, A. B., M. D., 367 Erie St.
Demonstrator of Surgery.

WM. E. LOWER, M. D., 275 Prospect St.
Demonstrator of Surgery.

WALTER H. MERRIAM, PH. B., M. D., 275 Prospect St.
Demonstrator of Medicine.

GEORGE W. MOOREHOUSE, M. L., M. D., 842 Logan Av.
Demonstrator of Medicine.

WILLIAM O. OSBORN, B. L., M. D., 275 Prospect St.
Demonstrator of Medicine.

CARLYLE POPE, M. D., 855 Rose Building.
Demonstrator in Diseases of Children.

WILLIAM GILBERT POVEY, A. B., M. D., 693 Hough Av.
Demonstrator of Gynecology.

OSCAR SCHULZ, A. B., M. D., Charity Hospital.
Demonstrator of Pathology.

EDWIN B. SEASON, M. D., 2238 Euclid Av.
Demonstrator of Medicine.

CLARENCE D. SELBY, M. D., St. Alexis Hospital.
Demonstrator of Pathology.

JOHN A. SIPHER, A. B., M. D., Suite 7, The Radcliffe.
Demonstrator of Pathology.

FRANK LESLIE SMITH, D. D. S., Denver, Colo.
Demonstrator of Orthodontia.

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HUBERT L. SPENCE, M. D., 512 New England Building.
Demonstrator of Nervous Diseases.

ROBERT H. SUNKLE, A. B., M. D., Pearl St. and Clark Av.
Demonstrator of Gynecology.

JOHN J. THOMAS, A. B., M. D., 665 Hough Av.
Demonstrator in Diseases of Children.

OSCAR T. THOMAS, M. D., 85 Edgewood Pl.
Demonstrator of Gynecology.

HARRISON G. WAGNER, M. D., 702 Rose Building.
Demonstrator of Physical Diagnosis.

W. H. WEIR, M. D., 260 Euclid Av.
Demonstrator of Gynecology.

CHARLES DICKENS WILLIAMS, M. D., 717 Rose Building.
Demonstrator of Gynecology.

WM. B. CHAMBERLIN, A. B., M. D., 275 Prospect St.
Assistant in Throat, Nose and Ear.

BESSIE MILDRED CHANDLER, A. M., 894 Case Av.
Assistant in Biological Laboratory.

JOHN DICKENSON, JR., M. D., 205 Osborn Building.
Assistant in Surgery.

WALTER THOMAS DUNMORE, A. B., 225 Streator Av.
Assistant in English.

I. A. ELSON, M. D., 481 Wade Park Av.
Assistant in Throat, Nose and Ear.

CHARLES M. HOLE, M. D., 300 Cedar Av.
Assistant in Dermatology and Syphilology.

FANNY C. HUTCHINS, M. D., 373 Jennings Av.
Assistant in Nervous Diseases.

NINA MAY ROBERTS, A. M., 30 Sayles St.
Assistant in English.

WILLIAM E. SHACKLETON, M. D., 605 The Osborn.
Assistant in Ophthalmology.

CHARLES C. STUART, M. D., 416 Rose Building.
Assistant in Ophthalmology.

JUSTIN MINOR WAUGH, M. D., 44 Knowles St.
Assistant in Throat, Nose and Ear.

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LECTURERS IN YEAR 1902-1903.

GEORGE ADAM SMITH, Glasgow, Scotland.
Lecturer on "The Prophet Jeremiah."

ALBERT GEHRING, A. M., Cleveland.
Lecturer on "Reflections of Personality in Music."

JOHN BACH MCMASTER, PH. D., LITT. D., LL. D., University of Pennsylvania.
Lecturer on "Acquisition of Political, Social and Industrial Rights of Man in America." Under the auspices of the Western Reserve Chapter Daughters of the American Revolution.

OTHER OFFICERS.

HARRY A. HARING, A. B., 78 Cornell St.
Treasurer.

EDWARD CHRISTOPHER WILLIAMS, B. L., 71 Elberon Av., E. Clevel'd.
Librarian.

EDITH LEONA EASTMAN, 161 Avondale Av., Glenville.
Assistant in the Library.

ANNA LOUISE MACINTYRE, A. B., 136 Sawtell Av.
Librarian, College for Women.

FRANCIS L. TROWBRIDGE, 84 Miles Av.
Librarian of the Law School.

BERTHA LOUISE TORREY, A. B., 4132 Euclid Av., East Cleveland.
Registrar College for Women.

THOS. J. TAYLOR, M. D., 2153 Superior St.
Clerk of Medical College.

ELIZABETH CURRIER ANNIN, *Housemistress,* Guilford House.

ISADORE HEYDENBURK, *Housemistress,* Haydn Hall.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Av.
Medical Examiner College for Women.

STANDING COMMITTEES

I. COMMITTEE ON THE LIBRARY.

PROFESSORS BOURNE, CURTIS, EMERSON, PLATNER,* WHITMAN.

II. COMMITTEE ON ATHLETICS.

PROFESSORS BOURLAND, CUSHING,* WAITE, WILSON, MR. FAUVER.

* Chairman.

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ADELBERT COLLEGE

HISTORICAL STATEMENT

IN 1801 THE GENERAL ASSEMBLY of the Territory of the United States northwest of the river Ohio was petitioned by residents of the Connecticut Western Reserve to grant a charter for a college to be situated within the limits of the Reserve. The petition was denied. In 1803, on the sixteenth of April, the first General Assembly of the State of Ohio chartered the Erie Literary Society, a corporation composed of several proprietors of land within the county of Trumbull (then comprising the entire Reserve), who desired to appropriate a part thereof to found a seminary of learning within that county. Under this charter an Academy was established at Burton in 1805, the first institution of this kind in Northern Ohio. This school, with the exception of the years 1810 to 1819, continued in operation until 1834. In 1817 the Presbytery of Grand River, which embraced nearly all the Presbyterian and Congregational ministers and churches of the Reserve, formed itself into a society "for the education of indigent, pious young men for the ministry, within the limits of the Presbytery." The students aided by this society studied privately with clergymen until the opening of the Academy at Burton, when they pursued their studies at that school. In 1818 the Presbytery of Portage formed a similar society. In 1822 the two Presbyteries appointed a committee to confer together for the purpose of devising "ways and means for

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establishing on the Connecticut Western Reserve a Literary and Theological Institution." The report of the committee, which was adopted by the Presbyteries, provided for the establishment, under certain conditions, of a Theological Institution on the foundation of the Erie Literary Society at Burton. The Trustees of the Erie Literary Society accepted the conditions. A Board of Managers of the Education Fund was then appointed by the Presbyteries.

The connection between the Board of Managers and the Trustees of the Erie Literary Society lasted until June 1824. During the year 1823 the managers became convinced that such an institution as they desired could not be built up at Burton, and consequently they requested the Trustees of the Erie Literary Society to move their establishment to a more eligible situation. As the Trustees held property on condition that the school should be in Burton, they declined this proposition. In June, 1824 at a joint session of the Board of Managers, with special commissioners of the Presbyteries, it was decided to discontinue the connection with the Erie Literary Society and to found a separate institution. In January a special Board of Commissioners, representing the Presbyteries, to which the Presbytery of Huron was now added, selected Hudson as the site of the college. The Board of Managers, with four additional members representing the Huron Presbytery, now became the Board of Trustees, and held their first meeting at Hudson, February 15, 1825. They drafted a charter and drew up plans for the grounds. The charter was granted February 7 1826, and on April 26 the corner stone of the first building was laid. The first students were received in December 1826, and were instructed at Talmadge by Mr. Coe, the principal of the Academy at that place, who was appointed tutor *pro tempore*. In 1827 the new building at Hudson was occupied and the preparatory department established. A Theological

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department was opened in 1830 and maintained until 1852.*

In 1878 the question of removing the College from Hudson to Cleveland was raised, and a committee of the Trustees was appointed to take the matter under consideration. In March 1880, through a member of the Board of Trust, Mr. Amasa Stone, of Cleveland, proposed to give the College five hundred thousand dollars, provided it should be removed to Cleveland, occupy some suitable site to be donated by the citizens, and change its name to "Adelbert College of Western Reserve University." The new name was to be a memorial to Mr. Stone's only son, Adelbert, who had been drowned while a student at Yale. Mr. Stone proposed further, that of the sum offered by him one hundred and fifty thousand dollars should be expended in buildings and the remainder added to the permanent funds of the College. The committee weighed the comparative advantages of city and country situation and especially the opportunities for growth and development in the new environment. Moreover an investigation showed that, in the fifty years from its foundation to 1876, the College had received in gifts some three hundred and seventy-five thousand dollars, two hundred thousand dollars of which had been given for current expenses. The remainder constituted the College endowment, and included the funds used in establishing the Handy, Hurlbut, Oviatt and Perkins professorships. Mr. Stone's offer would exactly treble the endowment, in addition to providing a modern equipment. The committee, therefore, recommended the acceptance of the proposition, and the Trustees voted, on September 20 of the same year, to make the change whenever the conditions were fulfilled. On March 19, 1881, the Trustees voted that the conditions had been complied with and that the removal should be made.

*This sketch of the foundation of the College is based upon "A History of Western Reserve College, 1826-1876," by Rev. Carroll Cutler, D. D., President, Cleveland, 1876.

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In accordance with this decision, in September 1882, the College opened its doors on the new campus of twenty-two acres, situated in the midst of the great park system of Cleveland. On this campus two buildings had been erected, one containing rooms for the work of instruction, with offices, chapel, library and museum; the other, apartments for sixty students. The ensuing years have fully proved the wisdom of the change, as shown by the increase of students and of endowment funds. In 1883 the sum of one hundred thousand dollars was added to the funds of the College by the will of Mr. Stone. In 1888 the gymnasium was erected and equipped by the gifts of numerous friends. During the same year fifty thousand dollars were received to found the Haydn Professorship. In 1894 Mr. Samuel Mather built and furnished the Physical Laboratory, and Messrs. W. R. Warner and Ambrose Swasey presented the astronomical dome and the telescope. In the following year Mr. Henry R. Hatch presented the library building bearing his name, and in 1898 added the wings as provided in the original designs. In 1897 Eldred Hall, a building for the use of the Young Men's Christian Association, was erected through the gift of the late Rev. Henry B. Eldred. In 1899, the Biological Laboratory, to which many friends contributed, was completed. By the will of Daniel B. Fayerweather of New York City, who died in 1890, the College has received an additional endowment fund of one hundred and fifty thousand dollars. In 1901 the interior of the main college building was entirely rebuilt and refitted by a friend of the College, as a memorial to Mr. Stone.

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FACULTY AND INSTRUCTORS

Arranged, with exception of the President, in the order of graduation from college.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

LEMUEL STOUGHTON POTWIN, A. M., D. D., 389 Rosedale Av.
Professor of the English Language and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy, Dean of the Faculty.

CHARLES HARRIS, PH. D., 787 N. Logan Av.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology and Curator of the Zoological Collection.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.
Oviatt Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin, Secretary of the Faculty.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek.

JOHN WILLIAM PERRIN, PH. D., 81 Cutler St.
Haydn Professor of History.

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Professor of Romance Languages.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Associate Professor of Church History.

JOHN DICKERMAN, A. B., 1957 Doan St.
Assistant Professor of Mathematics, Registrar.

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HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Assistant Professor of Chemistry.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., The Somerset, Billings Av.
Assistant Professor of German.

WALTER TAYLOR MARVIN, PH. D., 43 Spangler Av.
Assistant Professor of Philosophy.

CLARENCE POWERS BILL, PH. D., 853 Logan Av.
Instructor in Latin and Greek.

ALLYN ABBOTT YOUNG, PH. D., 18 Adelbert Hall
Instructor in Economics.

CARL BYRON JAMES, B. S., 896 Hough Av.
Instructor in Biology.

ELBERT JAY BENTON, PH. D.,
The Auburn, 3020 Euclid Av., East Cleveland.
Instructor in History.

WILLIAM DINSMORE BRIGGS, PH. D., The Euclid, 2662 Euclid Av.
Instructor in English.

CHARLES WILLIAM PRENTISS, PH. D., 77 Hillburn Av.
Instructor in Biology.

WINFRED GEORGE LEUTNER, A. B., 137 Arlington St.
Instructor in Greek.

JOHN MILLS, A. B., 81 Mayfield St.
Instructor in Physics.

EDWARD VON DEN STEINEN, 883 Central Av.
Instructor in Physical Culture and Director of Gymnasium.

Additional instruction in their own departments is given by the following members of the Faculty of the College for Women.

HAROLD NORTH FOWLER, PH. D., (Absent on leave.)
Professor of Greek.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

HOWELL MERRIMAN HAYDN, A. B., 95 Mayfield St.
Associate Professor of Biblical Literature.

WILLIAM SPENCE ROBERTSON, PH. D., 24 Adelbert Hall.
Instructor in History.

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OTHER OFFICERS

HARRY A. HARING, A. B., 78 Cornell St.
Treasurer.

JOHN DICKERMAN, A. B., 1957 Doan St.
Bursar.

EDWARD CHRISTOPHER WILLIAMS, B. L.,
71 Elberon Av., East Cleveland.
Librarian.

EDITH LEONA EASTMAN, 161 Avondale Av., Glenville.
Assistant in the Library.

WALTER THOMAS DUNMORE, A. B., 225 Streator Av.
Assistant in English.

STANDING COMMITTEES OF THE FACULTY

COMMITTEE ON ADMISSION:
PROFESSORS EMERSON, HARRIS*, DICKERMAN, *Secretary.*

II. EXECUTIVE COMMITTEE:
(*Having oversight of the classroom work and academic status of the students*)
PROFESSORS PLATNER, SMITH, WHITMAN*.

III. COMMITTEE ON CURRICULUM:
PROFESSORS EMERSON, MORLEY*, PLATNER.

IV. COMMITTEE ON PROGRAMME OF RECITATIONS AND LECTURES:
PROFESSORS CUSHING*, TOWER, WHITMAN.

V. COMMITTEE ON CATALOGUE:
PROFESSORS BOURLAND*, MARVIN, MEYER.

VI. COMMITTEE ON ROOMS:
PROFESSORS EMERSON, HARRIS, WHITMAN*.

VII. COMMITTEE ON GYMNASIUM:
PROFESSORS CUSHING, DICKERMAN*, MR. VON DEN STEINEN.

*Chairman.

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STUDENTS

SENIORS

Henry Wilmer Blackburn, Cl.	*Wellsville*	Φ Γ Δ House.
Hiram Henry Canfield, M. L.	*Cleveland*	Euclid Heights.
Sidney Loftus Chaffee, L. S.	*Cleveland*	21 Adelbert Hall.
Ralph Ezra Chapel, Cl.	*E. Claridon*	140 Cornell St.
Albert Frank Counts, L. S.	*Sidney*	13 Adelbert Hall.
Clyde Lottridge Cummer, L. S.	*Cleveland*	396 Bolton Av.
John Adam Eisenhauer, Jr., M. L.	*Cleveland*	1433 Willson Av.
Milo Hart Evans, L. S.	*Kinsman*	143 Cornell St.
George Tuttle Filius, Cl.	*Warren*	36 Knox St.
Rayman Forest Fritz, Cl.	*Rittman*	45 Fairchild St.
Emil William Guelzow, Cl.	*Cleveland*	71 Leading St.
Frank Elmer Hale, Cl.	*E. Claridon*	140 Cornell St.
William Henry Charles Heinmiller, Cl.	*Cleveland*	39 Steinway Av.
Wade Oakly Hulbert, Cl.	*Thompson*	Β Θ Π House.
Percy R. Jenks, Cl.	*Nottingham*	Nottingham.
Leonard Corwin Loomis, Cl.	*Cleveland*	1280 Willson Av.
Robert Crosby Lowe, L. S.	*Boneta*	Φ Γ Δ House.
Arthur Fraw McArthur, L. S.	*Cleveland*	203 Oakdale St.
Cenverne Selwyn Mann, Cl.	*Warren*	1785 Cedar Av.
Forest Oliver March, L. S.	*Chagrin Falls*	Α Δ Φ House.
Victor Garfield Mills, L. S.	*Cleveland*	75 Beersford Pl.
Edmond De Witt Neer, L. S.	*De Graff*	Β Θ Π House.
Arthur Price Nutt, L. S.	*Sidney*	Β Θ Π House.
John Frederic Oberlin, L. S.	*Sidney*	21 Adelbert Hall.
Raymond Patton, L. S.	*Sidney*	24 Adelbert Hall.
Frank Herson Pelton, L. S.	*Willoughby*	Δ Τ Δ Rooms.
Ulrich John Pfeiffer, L. S.	*Kenton*	102 Adelbert St.
Ralph Roscoe Proctor, L. S.	*Fremont*	Α Δ Φ House.
Olvia Burnell Sharp, L. S.	*Jonesboro, Ill.*	45 Fairchild St.
Emery E. Stevens, Cl.	*Cleveland*	2036 Broadway.
Howard Clifford Summers, Cl.	*Cleveland*	1528 Superior St.
Carl Peter Paul Vitz, Cl.	*Cleveland*	45 Marvin Av.
Raymond Crandall Warner, Cl.	*Geneva*	Δ Τ Δ Rooms.
Howard Rees Williams, Cl.	*Huntsburg*	22 Cornell St.
Joseph Frank Williams, L. S.	*Youngstown*	Α Τ Ω House.
Charles Clarence Williamson, Cl.	*Salem*	117 Ridgewood Av.
Robert Algar Woolfolk, M. L.	*Danville, Va.*	Δ Τ House.

SENIORS 37.

*Abbreviations: Cl., Classical Course; L. S., Latin-Scientific Course; M. L., Modern Language Course. A number in parenthesis after the name of a special student indicates the year to which he belongs.

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JUNIORS

Cary Rudolph Alburn, Cl.	*Kyles' Corners*	Δ K E House.
Harry Lester Bard, M. L.	*Cleveland*	1341 Lorain St.
George Forrest Barnett, L. S.	*Painesville*	Φ Γ Δ House.
Robert Swinton Campbell, M. L.	*Cleveland*	2209 Superior St.
Walter Baldwin Carnes, L. S.	*Lima*	Δ K E House.
Carl Judd Case, Cl.	*Hudson*	148 Murray Hill Av.
Harold L. Cline, L. S.	*Lima*	Δ K E House.
Charles Manchester Coe, M. L.	*Glenville*	Glenville.
Harvey Lee Comin, Cl.	*Mansfield*	102 Adelbert St.
Walter Henry Cook, Cl.	*Cleveland*	724 Republic St.
Raymond Garfield De Fries, L. S.	*Troy*	8 Adelbert Hall.
Earl Roemer Findley, L. S.	*New York, N. Y.*	151 Cornell St.
Charles Clarence Garman, Cl.	*Troy*	Eldred Hall.
Clark Peter Garman, Cl.	*Troy*	Eldred Hall.
Clarence Edward Gibbons, L. S.	*Tallmadge*	Euclid Heights.
John James Gunn, Cl.	*Cleveland*	153 Dibble Av.
Howard Waring Herrick, Cl.	*Cleveland*	3006 Euclid Av.
Kenneth Ethelbert Hodgman, L.S.	*Parma*	Φ Γ Δ House.
Wallace Trevor Holliday, Cl.	*Cleveland*	Δ Υ House.
Frank Merrick Hubbell, Cl.	*Cleveland*	673 Franklin Av.
Oliver Jones, Cl.	*Cleveland*	148 Murray Hill Av.
Budd Noble Merrills, Cl.	*Wickliffe*	Δ T Δ Rooms.
William Theodore Miller, M. L.	*Cleveland*	999 E. Madison Av.
Arnold Minnig, L. S.	*New Philadelphia*	22 Cornell St.
Homer Lynn Nearpass, Cl.	*Mishawaka, Ind.*	45 Fairchild St.
John R. Petty, L. S.	*East Cleveland*	East Cleveland.
Frederick Early Pfeiffer, L. S.	*Kenton*	102 Adelbert St.
Robert Henry Horace Pierce, L.S.	*Toledo*	102 Adelbert St.
Noyes Billings Prentice, Jr., M.L.	*Cleveland*	12 Lakeview Av.
Walter Lawrence Robison, M. L.	*Cleveland*	5 Hayward St.
John Richard Ruggles, L. S.	*Cleveland*	224 Streator Av.
Philip Wallace Seagrave, Cl.	*Cleveland*	56 Mayfield St.
William Ernest Singer, L. S.	*Weston*	Δ Υ House.
Clarence Ansel Strong, Cl.	*Warren*	Δ T Δ Rooms.
Roy Foster Van Voorhis, Cl.	*Van Wert*	1492 Dix St.
Saul Charles Wachner, Cl.	*Akron*	Adelbert Hall.
Chester Marvin Wallace, Cl.	*Willoughby*	Willoughby.
Andrew Bracken White, M. L.	*Cleveland*	19 La Grange St.
William Jerome Wilson, Cl.	*Brooklyn*	46 Murial Av.

JUNIORS 39.

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SOPHOMORES

David Clifford Alexander, L. S.	*Cleveland*	65 Jennings Av.
Abner Lee Roy Allison, Cl.	*Cleveland*	92 Fourth Av.
Edwin Ruthven Andrews, M. L.	*Lakewood*	Lakewood.
John P. Barden, Jr., Cl.	*Painesville*	Δ K E House.
Alton Hay Bemis, Cl.	*Cleveland*	225 E. Prospect St.
Harvey Alfred Berkes, L. S.	*Cleveland*	52 Elberon St.
Saul Louis Berman, M. L.	*Cleveland*	835 Woodland Av.
Horace Victor Bishop, Cl.	*Cleveland*	The Euclid.
Julius Bloomberg, M. L.	*Cleveland*	309 Forest St.
Fred Bukstein, M. L.	*Cleveland*	34 Paddock Pl.
Fred Newton Burroughs, L. S.	*Collinwood*	Collinwood.
Thomas Priday Cadle, L. S.	*West Mentor*	West Mentor.
Ladimir Alrich Chotek, L. S.	*Cleveland*	55 Hamlet St.
Myron T. Cohn, M. L.	*Cleveland*	330 Genesee Av.
John Lewis Conant, Cl.	*Cleveland*	1701 Dennison Av.
Howard Hubbell Davis, L. S.	*Cleveland*	457 Franklin Av.
Farnham Ernest Day, Cl.	*Cleveland*	435 Dunham Av.
Gillum Hotchkiss Doolittle, L. S.	*Burton*	2839 St. Clair St.
Charles Elmer Gehlke, M. L.	*Cleveland*	40 Abram St.
William Hamilton Gillie, L. S.	*Twinsburg*	117 Adelbert St.
Ford Gramlich, Cl.	*Kenton*	2103 Doan St.
Carleton Marshall Greenman, M. L.	*Cleveland*	43 Burt St.
Emerson Freeman Hird, Cl.	*Lower Waterford, Vt.*	26 Nantucket St.
Thomas Richard Kennerdell, M. L.	*Cleveland*	88 Merchants Av.
Francis Allen Horton Lang, Cl.	*Cleveland*	1383 Cedar Av.
Gustav George Laubscher, M. L.	*Cleveland*	134 Duane St.
Ernest McKelvy, L. S.	*Upper Sandusky*	12 Adelbert Hall.
Benjamin Bruce McMullin, L. S.	*Sharon, Pa.*	Α Τ Ω House.
Howard Thomas McMyler, Cl.	*Warrensville*	Warrensville.
William Clarence Malin, M. L.	*Glenville*	7 Victoria Av.
John Houston Marshall, Cl.	*Warren*	Α Τ Ω House.
William Claude Martin, L. S.	*Cleveland*	84 Marvin Av.
Henry Albright Mattill, M. L.	*Cleveland*	20 Sanford St.
John Houser Meyer, Cl.	*Cleveland*	844 Logan Av.
Walter George Miser, L. S.	*Annapolis*	16 Adelbert Hall.
Rienze Verne Myers, L. S.	*Shelby*	1617 Cedar Av.
Arthur Ernest Opperman, Cl.	*Cleveland*	14 Westchester.
Charles Norton Osborne, Cl.	*Cleveland*	67 Irvington St.
John Dexter Osmond, M. L.	*Chardon*	Φ Γ Δ House.
James Allen Parker, M. L.	*Findlay*	Δ K E House.

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George Benjamin Parkin, M. L.	*Cleveland*	45 Malcolm St.
Antony Joseph Petrash, Cl.	*Cleveland*	1191 Broadway.
Paul Marvin Pope, M. L.	*West Palm Beach, Fla.*	Β Θ Π House.
George Byron Roth, M. L.	*Mt. Eaton*	Δ Τ House.
Herbert Milford Senseny, Cl.	*Cleveland*	148 Lincoln Av.
Don Rollin Sipe, L. S.	*Lisbon*	Β Θ Π House.
Albert Ralph Stickle, L. S.	*Kenton*	Α Τ Ω House.
William Melville Strachan, M. L.	*Cleveland*	2423 Broadway.
George Church Sutton, Cl.	*Cleveland*	491 Central Av.
William Ellsworth Talcott, Cl.	*Cleveland*	Rosedale Av. & Crawford Rd
George Winfield Truxal, M. L.	*Cleveland*	23 Kelton St.
William Phillip Ward, M. L.	*Cleveland*	235 Ursula St.
Eugene Everett Wolf, M. L.	*Cleveland*	529 Scovill Av.

SOPHOMORES 53.

FRESHMEN

Perry Milton Adams, L. S.	*Tiffin*	Δ Τ Δ Rooms.
Thomas Brooke Anderson, M. L.	*Salem*	Δ Κ Ε House.
Howard Sutorius Benz, M. L.	*Cleveland*	10½ Diamond Pk. St.
J. C. Blackman, Cl.	*Twinsburg*	217 Murray Hill Av.
Rhyne Bashford Boyd, L S.	*Andover*	61 Penrose Av.
Alfred Albert Cartwright. L. S.	*E. Liverpool*	818 Hough Av.
Arnold Elliott Cornell, L. S.	*Cleveland*	148 Taylor St.
Arthur De la Vergne Coss, L. S.	*Lima*	Β Θ Π House.
Nicholson Few Curtis, M. L.	*Cleveland*	22 Adelbert Hall.
Leon Prentiss Davis, L. S.	*Wickliffe*	Δ Τ Δ Rooms.
Wheeler Pedlar Davey, Cl.	*Cleveland*	76 Gaylord St.
John Howard Dellinger, L. S.	*Cleveland*	818 Hough Av.
James George Esch, L. S.	*New Philadelphia*	2 Gieb St.
Burdette Dodge Etz, L. S.	*Cleveland*	12 Van Buren St.
Herbert Oliver Evans, Cl.	*Cleveland*	2214 Broadway.
Frederick Grover Fetzer, L. S.	*Ashland*	2 Sturtevant St.
William Craig Filson, L. S.	*Lisbon*	843 Fairmount St.
Giordano Bruno Fliedner, L. S.	*Cleveland*	160 Wellington Av.
George Samuel Friebolin, Cl.	*Cleveland*	50 Higgins St.
Charles Thomas Fursdon, Cl.	*Cleveland*	605 Scovill Av.
Oscar Louis Gaede, M. L.	*Cleveland*	154 Osborn St.
Sidney Longman Galpin, L. S.	*Jefferson*	836 Logan Av.
Ernest Walter Garrett, Cl.	*Beaver Falls, Pa.*	775 Giddings Av.
Elmer August George, L. S.	*Cleveland*	101 Burton St.
Louis La Grange Gerstenberger, L. S.	*Cleveland*	242 Oakdale St.
Simon Rosenthal Goldsmith, M.L.	*Cleveland*	250 Kennard St.

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Raymond Hart Griswold, L. S.	*Chardon*	Φ Γ Δ House.
Douglas Peace Handyside, Cl.	*Cleveland*	25 William St.
James Handyside, Jr., L. S.	*Cleveland*	25 William St.
John McCalla Harris, Cl.	*Cleveland*	787 N. Logan Av.
Raymond Henry Haskell, L. S.	*Willoughby*	Willoughby.
Paul Fred Hasse, L. S.	*Cleveland*	1667 Pearl St.
Earl Frederick Hausserman, L. S.	*Cleveland*	111 Fairlawn Av.
Albert Edward Hodgson, Cl.	*Cleveland*	194 Central Av.
Frank Leslie Hoenig, L. S.	*Cleveland*	134 Fram St.
August John Walter Horst, Cl.	*Cleveland*	66 Bigelow St.
Charles Nathan Hostetler, L. S.	*Massillon*	26 Wilbur St.
Ralph Edward Hyde, L. S.	*Willoughby*	1957 Doan St.
Albert Alexander King, L. S.	*Painesville*	151 Cornell St.
Arthur Malachi Lee, Jr., Cl.	*Bloomfield, N. J.*	Δ Δ Φ House.
Waldo Biddle Lemmon, L. S.	*Cleveland*	130 N. Chandler Av.
James Cooper Logue, L. S.	*Cleveland*	1 Plymouth St.
Walter Ira Longsworth, L. S.	*Lima*	Δ K E House.
Charles Harold Lyttle, Cl.	*Cleveland*	52 Arlington St.
Charles Russell Miller, L. S.	*Cleveland*	35 Billings Av.
Clarence Wesley Miller, M. L.	*Lima*	26 Anndale Av.
Meyer Mitchnick, Cl.	*Philadelphia, Pa.*	34 Paddock Pl.
Aubrey Wyatt Morton, Cl.	*Washington, D. C.*	44 Frank St.
Robert Burns Motherwell, L. S.	*Findlay*	142 Cornell St
Grover Jacob Frederick Mueller, L. S.	*Cleveland*	1049 Doan St.
Karl Brandt Naumann, Cl.	*Circleville*	9 Crawford Pl.
James Tertius Norton, L. S.	*Cleveland*	516 E. Prospect St.
Holly Elvertion Olin, L. S.	*Kent*	52 Oakdale St.
Clyde McKean Parmenter, Cl.	*Cleveland*	717 Republic St.
Lester Howard Phelan, Cl.	*Cleveland*	698 Bridge St.
Julius Pomerene, Cl.	*E. Cleveland*	47 Allandale St.
Howard Mills Potter, M. L.	*Chardon*	Φ Γ Δ House.
Bert Dewey Presley, M. L.	*Chardon*	Φ Γ Δ House.
Everett Edward Radcliffe, Cl.	*Cleveland*	135 Cedar Av.
Clay Laverne Reely, L. S.	*Lima*	B Θ Π House.
John Frederick Schaechterle, M. L.	*Cleveland*	58 Kinsman St.
John Scheuer, Cl.	*Cleveland*	16 Adelbert Hall.
Carl Schuler, Cl.	*Millersburg*	122 Oregon St.
Allen Jay Shaw, L. S.	*Greenspring*	748 N. Logan Av.
Zalmon Omar Sherwood, L. S.	*Madison*	Madison.
Paul Minor Stauffer, L. S.	*Wooster*	729 Republic St.
Rollin J. Stickle, L. S.	*Kenton*	143 Cornell St.

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William Reed Taylor, Cl.	*Cleveland*	78 Oakdale St.
Leland Rutherford Thompson, L. S.	*Youngstown*	44 Burt St.
George Davis Turrill, Cl.	*Cleveland*	401 Rosedale St.
Frank Sherman Upham, L. S.	*Cleveland*	39 Knox St.
Leonard Church Urquhart, L. S.	*Cleveland*	2228 Willson Av.
Ralph Milton Waters, L. S.	*Austinburg*	217 Hough Av.
Ralph Howard Whipple, L. S.	*Cleveland*	771 Dennison Av.
Edgar Roy Wise, L. S.	*Collinwood*	230 Clark Av.
Otto Joseph Zinner, M. L.	*Cleveland*	1242 Broadway.

FRESHMEN 76.

SPECIAL STUDENTS

Warren Ernest Barr (1)	*Galion*	35 Woodlawn Av.
Robertson Dunbar (1)	*Cleveland*	8 Hough Pl.
George Lee Fulk (1)	*Painesville*	14 Mansion St.
Samuel Kabatchnick (1)	*Cleveland*	52 Brookdale St.
Andrew Kaechele (3)	*Cleveland*	78 Aaron St.
Frank Wright Lea (2)	*Danville, Va.*	12 Adelbert Hall.
William Pendleton Lanphear, Jr. (4)	*Cleveland*	782 Republic St.
James Snyder McKeon (2)	*Youngstown*	Α Τ Ω House.
Lloyd Joseph McWilliams (1)	*Detroit*	1114 Case Av.
George Russell McWatters (1)	*Cleveland*	125 Adelbert St.
James Edward Mathews (2)	*Cleveland*	22 Dallas St.
Wiley Austin Miller (3)	*Cleveland*	Hiram House.
William Thomson Nimmons (3)	*Lincoln, Kas.*	Β Θ Π House.
Charles Test Prescott (1)	*Tawas City, Mich.*	1053 Willson Av.
Ernest Schwartz (1)	*Cleveland*	126 Merchant St.
Charles Gray Shreve (2)	*Martin's Ferry*	Β Θ Π House.
Clyde Smith (1)	*Cleveland*	14 Kenmore St.
John Stapleton (3)	*Cleveland*	2 Venning Pl.
Charles Clark Thwing (3)	*Leavenworth, Kan.*	Δ Υ House.
Harris Reid Cooley Wilson (1)	*Cleveland*	74 Burt St.

SPECIALS, 20.

SUMMARY:

Seniors	37
Juniors	39
Sophomores	53
Freshmen	76
Special Students	20
	225

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REQUIREMENTS FOR ADMISSION

Students are admitted to such standing in the College as their previous training warrants. This may be to the Freshman class, to advanced standing, or to partial courses. All candidates for admission must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION.

The regular examination for admission to the Freshman class is held at Adelbert College on the Friday and Saturday following Commencement (June 17-18, 1904). Attendance is required at the opening of the examination on Friday morning. The examinations, which are partly oral and partly written, occur as follows:

First Day—Mathematics, 9 A. M. to 12 M. (Arithmetic, 9 to 9:30; Algebra, 9:30 to 11; Geometry, 11 to 12); Greek, German and French, 2 P. M. to 5 P. M.; Chemistry, 2 P. M. to 3 P. M.; Physics, 3 P. M. to 4 P. M.; History, 4 P. M. to 5 P. M.

Second Day—Latin, 9 A. M. to 12 M.; English, 2 P. M. to 4 P. M.

A second examination, to accommodate those unable to attend the first, is held at Adelbert College on the Monday and Tuesday before the opening of the first term (September 19-20, 1904), beginning promptly at 9 A. M. The order of examinations is the same as at the regular examination. Candidates applying to be examined at other than these specified times, or late at the second examination, must obtain special permission from the Faculty. Candidates late at the regular examinations have no opportunity to make good their loss until the second examination.

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REQUIREMENTS COMMON TO ALL COURSES

Each candidate, irrespective of the course he may choose, must be prepared in English, Latin and Mathematics, according to the outlines of those subjects given below. Students whose examination papers show marked deficiency in spelling, punctuation, idiom or division into paragraphs, will not be admitted to any course.

ENGLISH: The examination consists of two parts. The student is required to show a general knowledge of the books marked A in the following lists, and to write several short paragraphs on different subjects chosen from them. In preparation for this part of the requirement it is important that the candidate shall receive instruction in the fundamental principles of rhetoric. He is also required to answer questions testing a thorough acquaintance with the books marked B. These questions relate to the author and subject matter, to the essentials of English grammar, and to the leading facts in those periods of English literary history to which the prescribed books belong.

Examinations in 1903 to 1905: *A*. For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B*. For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—six orations, including De Imperio Gn. Pompeii. Virgil—the Bucolics, two books of the Georgics and five books of the Æneid, or the Bucolics and six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Milne's or Taylor's Academic, or Went-

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worth's College, to the chapter on the Binomial Theorem. Geometry—(Beman and Smith, Milne or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

ADDITIONAL REQUIREMENTS FOR EACH COURSE

In addition to the above, students entering the several courses must be prepared in the following subjects: For the Classical Course, Greek; for the Modern Language Course, French or German; for the Latin-Scientific Course, Chemistry, Physics and History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered an equivalent). Homer—three books of the Iliad with prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), Jones's Exercises in Greek Prose (twenty-six exercises), or Pearson's Greek Prose Composition are recommended. History of Greece—Fyffe's Primer, Oman's, Myers's, or Smith's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: Ability to write simple sentences in French. A thorough knowledge of the elements of French Grammar, special attention being paid to the verbs. Ability to read ordinary French at sight, to pronounce French, and to understand simple French phrases when spoken. In addition, the reading of not less than seven hundred pages of prose and verse, chosen from standard modern novels, essays and plays.

GERMAN: Grammar, with translation at sight of easy German prose, based on previous reading of not less than two hundred pages of simple German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when uttered. In addition, the reading of not less than five hundred pages of classical and contemporary prose and verse, as exemplified in the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of

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Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller —Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Classwork through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative, such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY (through one year): Courses suggested in the order of preference. Greek and Roman History (a separate course distinct from work in Latin or Greek;) mediæval and modern History; English History; American History and Civil Government.

ADMISSION ON CERTIFICATE

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates, similar to that given below, will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates or send them by mail to the Registrar, Professor Dickerman, during Commencement week, or as soon thereafter as practicable.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated. In order to co-operate with the secondary schools in preparatory work, a report of the progress of each student admitted by certificate will be sent to the Principal of the school from which he comes. If those entering from any school during a term of years are found deficient in preparation, the privilege of entering on certificate will be withdrawn from that school.

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[FORM OF CERTIFICATE.]

Mr.....is a graduate of the..... .....School, in the.....course, Class of....., has pursued the studies marked below with the success indicated by the attached standing, and is hereby recommended for admission to the.....course, Freshman class, Adelbert College, Western Reserve University.

(*Requirements for admission common to all courses.*)

ENGLISH: As prescribed on page 39 of this catalogue.

MATHEMATICS: See page 39.

LATIN: See page 39.

In addition to the above for admission to

THE CLASSICAL COURSE:

GREEK: As on page 40.

THE MODERN LANGUAGE COURSE:

GERMAN: As on page 40.

FRENCH: As on page 40.

THE LATIN-SCIENTIFIC COURSE:

CHEMISTRY, PHYSICS, ENGLISH HISTORY: See page 41.

When the above requirements have not been exactly met, the equivalents offered therefor must be specified in detail. When a certificate does not meet the above requirements *in full*, the applicant may be required to pass the usual examination in any or all the requirements.

ADMISSION TO ADVANCED STANDING

Candidates who can present equivalents for any part of the college work will be given corresponding credit toward graduation. It is then possible for those entering with credit for any part of the college course to shorten by so much the number of hours required for a degree. Such students may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from former instructors. No one is admitted to the Senior class after the beginning of the second half-year.

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In connection with entrance to advanced standing, attention is called to the opportunity for combining professional training with the undergraduate work of the last year. For further particulars see the statement regarding the schools of Law and Medicine, on page 58, and the Case School of Applied Science, on page 48.

ADMISSION TO PARTIAL COURSES

Students may receive instruction without becoming candidates for a degree, provided they can meet the requirements for admission to the Freshman class, or have pursued other studies which may be accepted as equivalent to the entrance requirements. *Such special students are permitted to enter only those courses for which their previous training has fitted them.* In general they are subject to the same requirements as to college regulations, number of hours of work, and standing in class as regular students, but each application is considered on its merits.

Special students, on severing their connection with the College, receive certificates of all work satisfactorily completed. The requirements for admission to each course may be learned on application to the Registrar.

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REQUIREMENTS FOR GRADUATION

FRESHMAN YEAR

REQUIREMENTS COMMON TO ALL COURSES

	FIRST HALF YEAR. HRS.	SECOND HALF YEAR. HRS.
BIBLE I	1	
ENGLISH I	3	3
LATIN I AND 2	3	3
MATHEMATICS I AND 2	3	3

ADDITIONAL REQUIREMENTS FOR EACH COURSE

Classical Course.	GREEK I AND 2 GERMAN I	6	6
Modern Language Course.	FRENCH I AND 2 GERMAN 2		
Latin Scientific Course.	CHEMISTRY 2 PHYSICS 1A (first half-year) HISTORY A (second half-year)		
		16	15

In addition to the above subjects Freshmen are required to take Course 1 in Physical Culture, counting for one hour a week throughout the year.

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SOPHOMORE YEAR

REQUIREMENTS COMMON TO ALL COURSES

ENGLISH 2, 1 hour a week throughout the year.

ELECTIVES, 15 hours a week throughout the year.

JUNIOR AND SENIOR YEARS

ELECTIVES, 15 hours a week throughout the year.

During the Sophomore, Junior and Senior years each student must complete not less than four half-year courses of three hours in each one of the following groups:

A. LANGUAGE AND LITERATURE	B MATHEMATICS AND NATURAL SCIENCE	C PHILOSOPHY, HISTORY AND SOCIAL SCIENCE
English,	Astronomy,	Economics and Politics,
German,	Biology,	History,
Greek,	Chemistry,	Philosophy.
Latin,	Geology and Mineralogy,	
Romance Languages.	Mathematics,	
	Physics.	

In exceptional cases, with the permission of the Executive Committee, students may take a greater number of hours than those outlined for each year.

For opportunities to combine undergraduate work with professional training, see statements regarding Law and Medicine on page 40, and the Case School of Applied Science on page 30.

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COURSES OF INSTRUCTION

The following statements describe all courses offered, both prescribed and elective. Prescribed courses are indicated on pages 44-45 of this catalogue; all others are elective. Unless otherwise stated, each course consists of three one-hour recitations each week. Numbers of courses are not necessarily consecutive. The hours at which courses are given will be found on the schedule of recitations, copies of which may be obtained at the office of the Registrar.

ASTRONOMY

PROFESSOR WHITMAN

1. ASTRONOMY. Young's General Astronomy. The course is mainly descriptive, and is amply illustrated. Some attention is given to the history of astronomy. Second half-year.

BIBLICAL LITERATURE

PRESIDENT THWING

ASSOCIATE PROFESSOR HAYDN (Courses 2, 3, 4)

1. THE LIFE OF CHRIST. Essays and discussions upon the principal doctrines of Christianity. One hour a week, first half of Freshman year.

2. HEBREW GRAMMAR AND READING. An introductory course. Harper's "Elements of Hebrew" will be used, later the Old Testament text. Three hours a week, throughout the year.

3. NEW TESTAMENT GREEK. A critical reading of selections from the Gospels, Acts and Epistles, to bring out the special characteristics of this Greek. Either half-year.

4. SEMINARY IN NEW TESTAMENT EXEGESIS. (Open to those who have taken Course 3.) Written expositions of assigned passages, with discussions. Either half-year.

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BIBLIOGRAPHY

MR. WILLIAMS

1. REFERENCE WORK. A study of the better known works of reference, as the general and special cyclopedias, dictionaries, annuals, indexes to periodicals, and ready reference manuals of every kind. Works of a similar nature will be compared, and the limitations of each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. One hour a week, second half-year.

BIOLOGY

PROFESSOR HERRICK (Absent on leave)

DR. PRENTISS

MR. JAMES

1. ELEMENTARY BIOLOGY. An introduction to the study of animal and plant life. One recitation, two laboratory exercises of two hours each. Second half-year.

2. ZOOLOGY—COMPARATIVE ANATOMY OF INVERTEBRATES. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. ZOOLOGY—COMPARATIVE ANATOMY OF VERTEBRATES. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

6. PHYSIOLOGY. Elements of the physiology of man and lower animals. Three exercises, consisting of lectures, recitations and demonstrations of one hour each. First half-year.

7. ELEMENTS OF VERTEBRATE EMBRYOLOGY. A study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. ANIMAL BEHAVIOR. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Two exercises weekly. First half-year.

10. BOTANY. An introduction to the study of plants. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

11. READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from December 1 to May 1 at a time most convenient to the members.

The Laboratory Fees for the different courses are: Course 1, 2, 3, 7, or 10, $5.00.

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CASE SCHOOL OF APPLIED SCIENCE

By agreement between the two institutions, students may be graduated both from the Case School and from Adelbert College, within the space of five years. For information with regard to this combined course, application should be made to the Dean of Adelbert College.

CHEMISTRY

PROFESSOR MORLEY

ASSISTANT PROFESSOR TOWER

ASSISTANT PROFESSOR GRUENER

1. *a.* CHEMISTRY OF THE NON-METALLIC ELEMENTS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. First half-year.

1. *b.* CHEMISTRY OF THE METALS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. Second half-year.

2. INORGANIC CHEMISTRY. A more advanced course in general chemistry, for the Freshman year of the Latin-Scientific Course. Newth's Inorganic Chemistry. Two laboratory exercises and one recitation, throughout the year.

3. INORGANIC PREPARATIONS. This course will deal with the preparation of a number of inorganic compounds, making use of methods inapplicable to the elementary courses. Two laboratory exercises and one recitation each week. Open to those who have taken courses 1a and 1b, or course 2. First half-year.

5. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Open to those who have taken either course 2 or course 1b. Second half-year.

6. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

7. ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each, throughout the year.

8. PHYSIOLOGICAL CHEMISTRY. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 6. First half-year.

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9. PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year. Open to those who have had three half-year courses in chemistry.

The Laboratory Fee for Course 9 is $2.00; for Course 1a, 1b, or 8 is $3.00; for Course 2, $4.00; for Course 3 or 6, $5.00; and for Course 5 or 7, $6.00. These fees are for each half-year. Breakage and other damage to apparatus are charged extra.

CHURCH HISTORY

ASSOCIATE PROFESSOR SEVERANCE

1. CHURCH HISTORY OF THE FIRST SIX CENTURIES. Especial attention will be devoted to the Patristic Literature and to the Doctrinal Controversies that rent the Church.

2. CHURCH HISTORY OF THE MIDDLE AGES. The external history of the Papacy will be traced, and emphasis will be laid on the organization and administration of the Church and of the Monastic Bodies and on the Scholastic Philosophy.

3. THE REFORMATION. A general survey of the period, introducing the student to the wider literature of the subject. Special attention will be paid to the formative influences that shaped the doctrinal views of the Reformers. Second half-year, 1903–4.

4. MODERN CHURCH HISTORY. The period of Confessional Orthodoxy, Methodism, the Missionary Movement, and the Vatican Council are amongst the topics discussed.

5. LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from mediæval manuscripts. First half-year.

6. THE BELIEFS AND SUPERSTITIONS OF THE MIDDLE AGES. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. First half-year. 1904–5.

7. HISTORICAL AND GENERAL BIBLIOGRAPHY. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work.

For courses on the Middle Ages, see History.

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ECONOMICS

DR. YOUNG

The first course is a prerequisite to the election of any of the others, except courses 8, 9 and 10.

1. ELEMENTS OF ECONOMICS. Lectures, recitations and required readings. The text-book is Bullock's Introduction to the Study of Economics. First half-year.

3. MONEY AND BANKING. The theory of money, the monetary history of the United States, and the banking systems of the United States and other countries are studied in this course. Lectures and required readings. First half-year. 1904–1905.

4. PUBLIC FINANCE. This course deals with public revenues and expenditures. Lectures, assigned readings and individual investigation of special topics. Problems of state and local taxation are given special attention. The text-book is Adams' The Science of Finance. Second half-year. 1903–1904.

5. ECONOMIC PROBLEMS. A brief treatment of socialism is followed by a discussion of labor problems. Lectures, assigned readings and class reports. The text books are Ely's Socialism and Social Reform and Levasseur's The American Workman. First half-year. 1904-1905.

6. ECONOMIC HISTORY. This course treats of the economic history of England from the 13th to the middle of the 19th century. Lectures and required readings. The text-book is Cheyney's Industrial and Social History of England. First half-year. 1903-1904.

7. MODERN INDUSTRY. This course deals with the social economy of the present. The growth of corporations, the functions of speculation, and the problems of railway transportation are among the topics discussed. Lectures, assigned readings and class reports. Second half-year. 1903-1904.

8. HISTORY OF POLITICAL THOUGHT. The development of political philosophy from the Greeks to the present, and its connection with political history. Lectures, with readings in examples of the principal schools. First half-year. 1903-1904.

11. MUNICIPAL GOVERNMENT. The economic, social and administrative problems presented by the modern city. A comparative study of American and European experience. Second half-year. 1903-1904.

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ENGLISH

PROFESSOR POTWIN (COURSES 14, 15, 16, 19, 20)

PROFESSOR EMERSON (COURSES 2, 4, 5, 7, 10, 13, 17, 21-23)

DR. BRIGGS (COURSES 1, 4, 6, 11, 30)

RHETORIC AND ENGLISH COMPOSITION

1. RHETORIC. During the first half-year, rhetorical theory from a text-book of rhetoric, and analysis of prose selections illustrating the principles of composition. During the second half-year, a study of masterpieces of poetry and prose with an historical survey of English literature. A short essay or its equivalent each week, with conference for the correction of individual faults. Freshman year.

2. THEME WRITING. Short themes each week with individual conferences. Lectures on writing and the use of good English. One hour a week throughout Sophomore year.

4. DAILY THEMES. Five short themes each week on subjects chosen by the student. Weekly conferences with each student for correction and suggestion. First half-year.

5. DAILY THEMES. Similar to Course 4, but of a more advanced character. Students must have had Course 4 or its equivalent. Second half-year.

6. FORENSICS. Critical study of masterpieces in argument and oratory, with preparation of briefs, argumentative essays and orations. First half-year.

7. HISTORY OF ENGLISH PROSE. Lectures on prose writers and the development of prose style. Critical reading of specimens of English prose from Mandeville to Burke, with collateral readings and essays. Second half-year.

ENGLISH LANGUAGE AND LITERATURE

Students are advised to take at least two of the first five courses before beginning those which follow.

10. CHAUCER AND SPENSER. A study of the minor poems and the Canterbury Tales of Chaucer, together with the most important poetry of Spenser. A survey of English poetry between Chaucer and Spenser, with lectures and collateral reading. First half-year.

11. SHAKESPEARE AND THE DRAMA. A general course on the literature during the reigns of Elizabeth and James I, with special emphasis upon the drama. Second half-year.

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12. MILTON AND THE CLASSICISTS. English poetry from Milton to Pope inclusive, with special emphasis of Milton. The classical influence on English writers. Readings in the minor writers of the period. First half-year.

13. COLLINS TO KEATS. A rapid survey of the poets from the death of Pope to Cowper, and special study of Cowper, Burns, Wordsworth, Coleridge, Scott, Southey, Byron, Shelley, Keats. First half-year.

14. TENNYSON AND THE POETS FROM 1830. The poetry of Tennyson will be the central and principal study, with readings of other poets, except Browning who is the subject of a separate course. First half-year.

15. AMERICAN LITERATURE. Its beginnings, dependence on English authors, and development under the influences of our history. Second half-year.

16. HISTORY OF ENGLISH CRITICISM. The study will begin with Dryden, and include the critical works of Addison, Johnson, Hallam and others down to Matthew Arnold and the critics of today.

17. THE ENGLISH NOVEL. An historical course beginning with the storywriters of the Elizabethan period, and following the development of the novel throughout the eighteenth, and early nineteenth century. 1903-1904. Second half-year.

18. THE ENGLISH DRAMA before Shakespeare. Text-book, Manly's Specimens of the Pre-Shakespearean Drama. First half-year.

19. SHAKESPEARE. All the plays of Shakespeare to be read rapidly in the probable order of composition, with selection of characteristic passages. As an introduction, one of the more familiar plays will be studied for its illustration of the language of the period. Second half-year.

20. THE POETRY OF BROWNING. The study will follow the order of time of composition, typical selections being made for careful analysis and explanation. Second half-year.

21. OLD ENGLISH (ANGLO-SAXON). Lectures and recitations upon the language, with readings of selections from Old English prose and poetry. Special attention to the development of the language. First half-year.

22. MIDDLE ENGLISH. Lectures on Middle English language and literature, with readings of selections from prose and poetry. Special study of Chaucer and his contemporaries. Second half-year.

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23. ADVANCED STUDY OF OLD AND MIDDLE ENGLISH. Critical reading of texts, study of sources and of the development of language and literature. Throughout the year.

ELOCUTION

30. A course in vocal training and drill in public speaking. Instruction is given by lectures; by individual training in the analysis and delivery of oratorical masterpieces; and in the writing of orations. Three hours a week, second half-year.

GEOLOGY AND MINERALOGY

PROFESSOR CUSHING

1. MINERALOGY. Crystallography, and descriptive and determinative mineralogy of about 100 of the more common mineral species. Two hours of recitation and lectures and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Either an extension of course 1, greatly increasing the number of minerals studied; or blow-pipe analysis of minerals; or physical crystallography and optical determination of minerals may be taken up, as the class may select. Three laboratory exercises of three hours each. Open only to those who have taken Course 1. Second half-year.

3. GEOLOGY. Lithology and dynamical geology. Three hours a week. First half-year.

4. Structural and historical geology, with field work in the vicinity of Cleveland. Open only to those who have taken Course 3. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. First half-year.

A Laboratory fee of $1.00 is charged for Courses 1, 2 and 4.

GERMAN

PROFESSOR HARRIS

ASSISTANT PROFESSOR MEYER (COURSES 1, 2 AND 3)

1. ELEMENTARY GERMAN. Grammar, reading and composition; easy texts. In this and the following courses as much of the work as possible is done in German, but conversation is used as a means,

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not as an end. Required of all who begin German in college. Throughout the year.

2. SELECTED MASTERPIECES of representative German authors, the latter part of the year being given to Schiller. The texts read vary from year to year. Composition and advanced grammar. For Modern Language Freshmen. Throughout the year.

3. SECOND YEAR GERMAN. Whitney's German Grammar; Harris's German Composition. Reading of representative literary works. The texts read vary from year to year. Open to all who have had Course 1 or its equivalent. Throughout the year.

4. AUTHOR COURSE. The greater part of the year is given up to the more detailed study of one of the great writers, usually Goethe, but some other texts are also read. The work is partly in the form of class exercises and partly private reading on which the student is examined. Drill in writing German. Open to all who have had Course 2 or 3, or an equivalent. Throughout the year.

The following electives are open to all who have had Course 4 or its equivalent. Courses 5 and 6 are offered alternately; of the others, as a rule only one may be chosen in any one half-year.

5. OUTLINE HISTORY OF GERMAN LITERATURE. Recitations from a manual, with collateral readings; lectures on German history and literature. 1904-1905. Throughout the year.

6. MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc. Throughout the year.

8. RECENT GERMAN DRAMA. Lectures on the history of the German drama since Goethe's death; with the reading of plays of representative modern dramatists. Second half-year.

9. MODERN GERMAN PROSE. This course is given up to the study of a few of the modern writers in the fields of history, biography, travels, etc. Essays, lectures, and portions of larger works are read. Throughout the year.

10. FAUST. Goethe's Faust; connected history of the Faust legend (lectures), with selected readings from the more important Faustbücher and Volksschauspiele. First half-year.

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11. GUSTAV FREYTAG. A detailed study of the life and works of Gustav Freytag and of his relations to contemporary German literature. 1903-1904. Second half-year.

12. MODERN FICTION. German Fiction since 1848 (lectures); readings from Auerbach, Scheffel, Freytag, Spielhagen, Sudermann and others. 1903–1904. Throughout the year.

15. MODERN GERMAN POETRY. German poetry of the nineteenth century with particular reference to the lyrics. First half-year.

GREEK

PROFESSOR FULLER (Absent on leave)

PROFESSOR FOWLER (Absent on leave)

DR. BILL

MR. LEUTNER

ASSOCIATE PROFESSOR HAYDN

1. HOMER. First half Freshman year.

2. ATTIC ORATORS. Rhetoric; Greek History. Second half Freshman year.

3. THE DRAMA. Selections, with an introduction to the study of metres and scenic antiquities. First half Sophomore year.

4. PLATO. GREEK LITERATURE, connected survey, illustrated by extracts from authors not previously studied. Second half Sophomore year.

5. TRAGEDY. Selected dramas of Euripides, Sophocles, and Æschylus. First half-year.

6. THUCYDIDES, with comparative studies of Herodotus and Xenophon. Second half-year.

7. PHILOSOPHY. First half-year.

8. ARCHAEOLOGY. Second half-year.

9. IDYLLIC POETRY. First half-year.

10. ÆSCHINES AND DEMOSTHENES ON THE CROWN. First half-year.

11. LYRIC POETRY. First half-year.

12. NEW TESTAMENT GREEK. See Bible, Course 3.

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HISTORY

PROFESSOR PERRIN (Absent on leave)

PROFESSOR BOURNE (COURSES 8 AND 9)

DR. BENTON

DR. ROBERTSON (COURSES 6 AND 7)

1. THE MIDDLE AGES. Europe from the fourth century to the fourteenth. The migration and settlement of the Teutonic peoples, the rise of the Christian church, Mohammedanism and the crusades, feudalism, the struggle of the Empire and Papacy, the growth of cities and the rise of modern kingdoms. Either half-year. Required of all Latin-Scientific Freshmen. Second half-year.

2. HISTORY OF GERMANY from the Great Interregnum to the end of the eighteenth century, with special reference to the Renaissance, the Reformation, the Decline of Imperial institutions, the Rise of Prussia, Frederick the Great. Second half-year.

3. HISTORY OF FRANCE, from the fall of the Carolingians to the middle of the eighteenth century, with special reference to the growth of French institutions. Second half-year.

4. THE REFORMATION. A course based upon Fisher's History of the Reformation with collateral reading in Schaff's History of the Christian Church, Häusser's Period of the Reformation, Ranke's History of the Popes, and the writings of the Reformers. Special topics are assigned for investigation. First half-year.

5. POLITICAL HISTORY OF ENGLAND, from the Tudor period to 1815. Lectures and prescribed reading. First half-year.

6. AMERICAN COLONIAL HISTORY. The constitutional and institutional development of the English colonies to 1783. Lectures with prescribed readings. First half-year.

7. POLITICAL AND CONSTITUTIONAL HISTORY of the United States, 1783-1860. Lectures with required readings. The more important documents in McDonald's Select Documents are read and discussed. Second half-year.

8. THE OLD REGIME AND THE REVOLUTION. France, with comparisons drawn from other states, 1774-1789; the French Revolution, 1789-1795, its social and political struggles and its permanent results in French society. First half-year.

9. THE HISTORY OF EUROPE IN THE NINETEENTH CENTURY. A continuation of Course 8. Second half-year.

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10. (*a*). THE UNITED STATES 1860-1885. Lectures and reports upon topics assigned for investigation. Or,

(*b*) AMERICAN POLITICS. A study of the government of the United States, both National and State. Second half-year.

11. HISTORY OF COLONIZATION SINCE 1492. The history of the English colonies in America is not included. Second half-year.

12. THE STUART REGIME, 1603-1714. Especial attention given to constitutional questions. The more important documents of Gardiner's Constitutional Documents of the Puritan Revolution are read and discussed. Second half-year.

13. ENGLAND IN THE NINETEENTH CENTURY. A continuation of Course 5. Second half-year.

14. CONSTITUTIONAL HISTORY OF ENGLAND. Lectures and prescribed reading. The more important constitutional documents are discussed. First half-year.

15. AMERICAN DIPLOMACY, 1776-1877. Lectures and reports upon topics assigned for investigation.

17. CHURCH HISTORY. For this course, now transferred to the Department of Church History, and for other courses on the history of the Christian Church, see Church History.

LATIN

PROFESSOR PLATNER

DR. BILL

1. LIVY OR CICERO. First half Freshman year.

2. PLAUTUS, two or three plays. HORACE, Satires. Second half Freshman year.

3. ODES OF HORACE. First half Sophomore year.

4. TACITUS, Germania and Agricola. JUVENAL, Satires. Second half Sophomore year.

5. CICERO'S LETTERS.

6. LUCRETIUS.

8. LATIN OF THE SILVER AGE. This course is based mainly on the letters of Pliny the Younger, Seneca, Tacitus, and Suetonius.

10. ROMAN ELEGIAC AND LYRIC POETRY.

Each of the elective courses, 5 to 10, is a half-year course, and in general they are given in a cycle, but no definite order can be stated, variations being introduced according to the number and character of the students.

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LAW

Seniors in Adelbert College may elect work in the Law School of the University, provided it does not count for more than nine of the fifteen hours each week required for graduation. By availing themselves of this opportunity and by proper choice of electives in the College, students may complete one of the three years required for the degree in law, during their academic course. For details of such courses application should be made to the Dean of the Law School, Professor Hopkins.

MATHEMATICS

PROFESSOR SMITH

ASSISTANT PROFESSOR DICKERMAN

1. PLANE TRIGONOMETRY. First half Freshman year.

2. PLANE ANALYTIC GEOMETRY. Second half Freshman year.

4. ALGEBRA (advanced course). First half Sophomore year.

5. PLANE AND SOLID ANALYTIC GEOMETRY (advanced course). First half-year.

6. SPHERICAL TRIGONOMETRY. SURVEYING. Second half Sophomore year.

7. ELEMENTS OF DIFFERENTIAL AND INTEGRAL CALCULUS. Second half Sophomore year.

8. DIFFERENTIAL AND INTEGRAL CALCULUS (advanced course). First half-year.

9. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. 1903-1904. Second half-year.

10. QUATERNIONS. Kelland and Tait's Introduction to Quaternions. First half-year.

11. DIFFERENTIAL EQUATIONS. Johnson's Differential Equations. 1904-1905. Second half-year.

12. MODERN ANALYTIC GEOMETRY. Second half-year.

The Laboratory fee for course 6 is $1.00.

MEDICINE

Seniors in Adelbert College may elect work in the Medical College of the University, provided it does not count for more than nine of the fifteen hours each week required for graduation. By availing themselves of this opportunity and by proper choice of electives in the College, students may complete one of the four years required for the degree in medicine, during their academic course. For details of such courses application should be made to the Dean of the Medical College, Dr. Millikin.

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PHILOSOPHY

PROFESSOR CURTIS

ASSISTANT PROFESSOR MARVIN

The following chronological order will be observed. Students wishing to elect any of the more advanced courses (5-11) in the Junior or Senior year are advised to take Courses 1, 2, 3 and 4, in the Sophomore or Junior year.

1. PSYCHOLOGY. An elementary course which presents in outline the entire subject matter, with special emphasis upon the functions of the Nervous System and the process of perception. First half-year.

2. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

3. LOGIC. This course, of which the purpose is chiefly practical, presents the elements of deductive and inductive logic, laying especial emphasis on the formal and material fallacies. Second half-year.

4. INTRODUCTION TO PHILOSOPHY. This course introduces the student to the chief problems of systematic philosophy, their history and present status. The instruction is given in the form of lectures and assigned private reading. Second half-year.

5. ETHICS. An outline of Ethics will be given by lectures. Some of the more important problems of ethics will be studied in their historical and philosophical aspects by reference to the works of Aristotle, Kant, Martineau, Sidgwick, Green, Spencer and Stephen. First half-year.

6. (*a*) GENERAL HISTORY OF PHILOSOPHY. A course for Seniors extending throughout the year. The first term reviews oriental and Greek thought with their bearings upon patristic and scholastic philosophy to the close of the sixteenth century. The second term will consider the main lines of thought from Bacon and Descartes to Wundt and Spencer, inclusive.

(*b*) BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations and private readings. The purpose is to acquaint the student with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treat-

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ise of Human Nature. The course will bring forward the main problems of Modern Philosophy. First half-year.

7. (*a*) THEORY OF SOCIETY, on the basis of Anthropology and Psychology. Open only to students who have done work in these sciences and also in Philosophy and Economics. Lectures and reports throughout the term. First half-year.

(*b*) SOCIAL INSTITUTIONS, a continuation of the Theory of Society in its practical applications and illustrations by means of a classification of social institutions. Lectures and reports throughout the term. Second half-year.

8. (*a*) THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Prolegomena will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysics of Morality, the Critique of Practical Reason, and the Critique of Judgment. First half-year. Or,

(*b*) THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Digests and essays are required for the purpose of bringing into prominence the main questions of Cosmology, and the bearing of Evolution on recent thought. Second half-year.

10. ADVANCED PSYCHOLOGY. The subject of the course is the Psychology of Education. Its aim is to apply the results of psychology to the solution of some of the chief problems of education. First half-year.

11. APPLIED LOGIC, OR SCIENTIFIC METHOD. In this course the general methods of science will be analyzed in order to study their principles and nature and logical justification. The chief works consulted are those of Mill, Sigwart and Venn. Second half-year.

12. INTRODUCTION TO THE PHILOSOPHY OF RELIGION. A brief presentation of Religion in its psychological, historical, critical and constructive aspects. Second half-year.

PHYSICAL CULTURE

MR. VON DEN STEINEN

1. GYMNASTICS AND HYGIENE. This course includes mass calisthenics, gymnastics and games. The object of the course will be hygienic and recreative rather than educational gymnastics. Required of Freshmen for three hours each week during six months of the year. It counts as a one-hour course throughout the year.

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PHYSICS

PROFESSOR WHITMAN

MR. MILLS

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. ELECTRICITY AND MAGNETISM, LIGHT. Continuation of Course 1. Second half-year.

1. (*A*) General contents and text-book as in 1. For Freshmen entering the Latin-Scientific course. The work is arranged to utilize as fully as possible the preparatory course in physics. First half-year. Under certain conditions this course may be postponed until the Sophomore year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics, or Preston's Theory of Light, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. An introduction to thermodynamics, based mainly on Buckingham's Theory of Thermodynamics, with lectures and references. Second half-year.

Alternating with 8.

5. ELECTRICITY AND MAGNETISM. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of Course 5. Second half-year.

7. MECHANICAL DRAWING. A course involving the principles of Descriptive Geometry and their application to Mechanical Drawing, the preparation of working drawings, elementary curve-tracing, etc. Faunce's Descriptive Geometry will be used as text. Second half-year.

8. MECHANICS. A study of the principles of applied mechanics. Text-book, Wright's Elements of Mechanics. Second half-year.

Alternating with 4.

9. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to text-books, and a few exercises in the laboratory. First half-year.

10. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construc-

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tion of simple pieces of apparatus. One exercise weekly. Second half-year.

11. PHYSICAL EXPERIMENT. Special topics in physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

13. PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and current physical literature by members of the conference. One meeting weekly.

Courses 10 and 11 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

Two weekly exercises under Course 11 may be combined with Course 10 to count for one three-hour course.

An elementary knowledge of the Differential and Integral Calculus is necessary for Courses 4, 5, 6, 8, and 11.

The Laboratory fee for Course 9 is $2.00; for each of the other laboratory courses, $4.00.

THE ROMANCE LANGUAGES

PROFESSOR BOURLAND

FRENCH

1. ELEMENTARY. Grammar and easy reading. Practice in speaking and writing French. First half-year.

2. ELEMENTARY COURSE continued. Reading of modern prose and plays, with practice in speaking and writing. Second half-year.

3. RAPID READING OF NINETEENTH CENTURY TEXTS, with practice in conversation. This course may be elected twice. First half-year.

4 (*a*). LITERATURE OF THE SEVENTEENTH CENTURY. Lectures, recitations and collateral readings in the classic drama and the prose writers. Second half-year.

4 (*b*). LITERATURE OF THE EIGHTEENTH CENTURY. Lectures and recitations, with special reference to Montesquieu, Voltaire, Diderot and J. J. Rousseau. 1904–5. Second half-year.

The foregoing courses will be offered annually, except that 4 a and 4 b will be given in alternate years; they or their equivalent must precede all other work in French. Of the following electives, not more than one may be expected in any half-year.

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5, 6. FRENCH PROSE COMPOSITION. Practice in writing French, with review of syntax. First and second half-years.

7. LITERATURE OF THE SIXTEENTH CENTURY. Montaigne, Rabelais. Lectures and recitations. First half-year.

8. OUTLINES OF THE HISTORY OF FRENCH LITERATURE TO THE END OF THE SIXTEENTH CENTURY. Lectures with illustrative readings. Second half-year.

9, 10. HISTORICAL FRENCH GRAMMAR. Lectures on the phonology and morphology, with illustrative readings in Old French texts. First and second half-years.

ITALIAN

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. 1904-5. First half-year.

2. DANTE. The Purgatorio and the Vita Nuova. Lectures, readings and recitations. 1904–5. Second half-year.

SPANISH

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. First half-year.

2. READING OF MODERN PROSE AND PLAYS, with special drill in speaking and writing Spanish. Second half-year.

3. THE CLASSIC DRAMA. Lectures on the dramatic literature of the sixteenth and seventeenth centuries, with readings from Lope de Vega, Tirso de Molina, Alarcón, Calderón. First half-year. [Not given in 1903–4.]

4. CERVANTES. Lectures, recitations and reports. Second half-year. [Not given in 1903–4.]

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GENERAL INFORMATION

TERMS AND VACATIONS

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the day of prayer for colleges, religious exercises are held in Eldred Hall. The exercises of each half-year begin with prayers in the chapel at nine o'clock.

RELIGIOUS WORSHIP

All students are required to attend daily prayers in the chapel. Students are also expected to attend morning service on Sunday in the churches of the city. It is desired that students should connect themselves with the churches of their choice, and enter as far as possible into their religious activities.

The Young Men's Christian Association of the college holds its meetings in Eldred Hall. This building is devoted entirely to the religious and social work of the Association.

LIBRARIES

The College Library, including the collections of former literary societies, contains about forty-seven thousand bound volumes and ten thousand unbound books and pamphlets.

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It is commodiously housed in the Hatch Library building, the gift of Mr. Henry R. Hatch, of Cleveland. The collections relating to the study of the German language and literature, French literature, United States history, and the history of the French Revolution are particularly full. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. The whole collection is classified according to the Dewey system somewhat modified. Students have access to all the books on the shelves, and the library is open from eight o'clock in the morning until half-past five in the afternoon.

In addition to the College Library, students may use the Public Library of Cleveland, which contains 150,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collection readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

Students thus have access to collections aggregating about 250,000 volumes and constantly increasing in number.

LABORATORIES AND MUSEUMS

Biology. The biology laboratory is designed for the study of the biological sciences, especially zoology and

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botany; for a biological museum, in the sense of a reference or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestrial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by himself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The laboratory of this department is, at the present time, on the third floor of the main building. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for the special investigator.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The department is equipped with a large variety of apparatus

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bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This equipment of astronomical apparatus is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

GYMNASIUM AND ATHLETIC FIELD

At the southern end of the campus is the gymnasium, and beside it the athletic field. The former is sufficiently equipped with apparatus for ordinary use. All members of the Freshman class are required to take systematic exercise in the gymnasium three times a week during six months of the year. During the same period a similar opportunity is afforded members of the other classes. All work is under the supervision of the instructor in physical culture.

The athletic field is graded, fenced and provided with seats for viewing athletic contests.

RULES GOVERNING ATTENDANCE

Each student is allowed, during each half-year, absences to the amount of one in twelve, from recitations in each study, provided that such absences do not immediately precede or follow a vacation or recess. Lack of preparation, when reported to the instructor beforehand, will be counted as an absence. Absences from chapel, or from work in the gymnasium, are treated in the same way as absences from recitation. The absence of any considerable number of a class, by agreement, is not included in allowed absences, and will lessen the number of allowed absences, as may be determined by the Faculty.

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Absences beyond the number allowed may be excused only by vote of the Executive Committee, and excuses are confined chiefly to cases of protracted illness. Applications for such excuses must be made through the Dean, in writing, within one week after the resumption of college duties, or they will not be considered.

Absences of athletic teams, glee clubs, delegates to fraternity conventions, etc., are made the subject of special permission, for which application must be made, in every case before the absence, to the Executive Committee.

All omitted exercises, allowed or excused, must be made up within one week after the resumption of college duties, at a time and place appointed by the instructor whose exercises were omitted. The responsibility in this matter *rests with the student.* For special reasons the instructor may grant an extension of the time beyond one week, or the Executive Committee may excuse the student altogether, on application in writing, through the Dean. A single omitted exercise is considered as made up if at the next exercise in that study there is a review, and the student reports that he is prepared upon the review as well as the advance lesson. In all cases a student is held responsible for preparation on omitted work whenever involved in review or examination.

Omitted exercises, not allowed or excused (or in any case, if not made up), will be counted as failures in reckoning a student's standing. Irregularities in attendance, not allowed or excused, are marked as follows: Absence from examination, public or private, five marks. Absence from lectures, two marks. Absence from any other exercise, one mark. Tardiness at, or egress from any of the above, one mark.

When the marks of a student amount to five, he will be informed of the fact, and a written notice will be sent to his father or guardian, together with a statement of all his ab-

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sences, allowed and excused, and a copy of the rules. When the marks amount to ten, a second notice will be sent; when they amount to fifteen a third will be sent, and the student will be suspended from the privileges of the college for a period determined by the Faculty.

GRADES OF SCHOLARSHIP

Students are graded in their studies by letters which have value on a scale of eight, as follows:

E (excellent)	7-8
G (good)	6-7
F (fair)	5-6
P (pass)	4-5
D (deficient)	-4

At the close of each half-year, instructors combine the grades of the term's work and of examinations in any ratio they see fit; and report to the Registrar the resultant grades expressed in letters. The Dean then reports the grades of each student to his parent or guardian.

Care over the work of students is exercised by the Executive Committee after the following method: When the grade of a student becomes D in any study, the instructor reports the fact at once to the Dean, who sends an official notification of the deficiency to the student and to his parent or guardian. The instructor keeps the Registrar informed as to whether the student's grade continues D. Once a month the Dean reports to the faculty all information which he has received from instructors in regard to the grades of students.

Any student whose grade is D in the class-work of any study may be dropped from that study at any time by a majority vote of the Executive Committee and the instructor whose course is involved. He shall be so dropped when he has had grade D for six consecutive weeks; unless by a

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majority vote of the same persons he is allowed to remain in the study under special probation for a short time. In all cases the student's grade is determined by all his previous work in a study from the beginning of the half-year.

If a student has grade D in the class-work of any study, he is not allowed to enter the examination, and cannot be graduated until the head of the department reports to the Registrar that the deficiency has been removed. In case the student is deficient in an elective study, he may take in class some other elective of the same number of hours a week, and the satisfactory completion of such elective will be regarded as removing his deficiency.

If a student's term standing in any study is not below grade P, but he fails in his examination, the instructor hands in his grade as D and also notice that he is to be re-examined in that study. When he has passed this re-examination the instructor notifies the Registrar at once, and the deficiency is cancelled.

When a student so fails in his work that, in the judgment of the Executive Committee, he cannot successfully continue it, a condition is placed upon him. He cannot then go on with any study unless he makes up the deficiency before a specified time.

No student who has entrance conditions will be advanced to the rank of Junior. No student is allowed to enter the second half of his Senior year who has not made up all his deficiencies.

In general, regular students are not allowed to become special students on account of failure to maintain themselves in their regular work, but individual cases may be considered on their merits by the executive committee.

DEGREES

In order to be recommended for a degree a student shall have passed in all the studies of his course and have attained

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a grade of F or a higher grade in two-thirds of them. The degree of BACHELOR OF ARTS is conferred upon those who have completed that regular course which includes the study of the Greek language and literature; the degree of BACHELOR OF LETTERS on those who have completed the course in which modern languages are substituted for Greek; and the degree of BACHELOR OF PHILOSOPHY on those who have completed the course in which more advanced science is substituted for languages.

For degrees in combination with the Medical College, the School of Law, and the Case School of Applied Science, see the synopsis of courses under the proper headings.

Members of classes earlier than that of 1893 may receive the degree of MASTER OF ARTS as heretofore, or, if they prefer, after a special course of study. The fee for the Master's degree is ten dollars. For further information candidates should address the Secretary of the Faculty, PROFESSOR PLATNER.

HONORS

In Chemistry, French, German, Greek, Latin and Mathematics, two-year honors are given to those students who, at the completion of the Sophomore year, have attained grade E in each course of these departments during two years, and grade F or a higher grade in all of their other studies.

Honors are awarded to the graduating class at each Commencement, and to the Junior class at the end of the Junior year. These honors are determined by the standing of the students in all their previous college work. To be recommended for a degree with honors, a student shall have attained grade F or a higher grade in all his college work; for degree *summa cum laude,* grade E in five-sixths of all his work; for degree *magna cum laude,* grade E in one-half of

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all his work, or E or G in five-sixths of it; for degree *cum laude,* E or G in one-half of all his work.

Opportunity is given to students having sufficient preparation to pursue studies and investigations outside the prescribed course under the direction and assistance of the Faculty, provided they maintain a standing of at least G in each of their regular studies. Students who pass successful examinations in these additional studies may be exempted from a portion of the regular examinations, and receive honorable mention in the catalogue.

PRIZES

PRESIDENT'S PRIZES are offered as follows:

Three prizes for excellence in producing and speaking orations are awarded to members of the Junior and Sophomore Classes who engage in a Junior-Sophomore oratorical contest at Commencement. Of these, two first prizes of thirty-five dollars each are given to the contestants who rank first in each class. A second prize of twenty dollars is awarded irrespective of class. The following rule respecting the competition has been adopted by the Faculty: a Sophomore who gains the first prize in any contest shall not compete again, and one who gains the second prize may compete in his Junior year for the first prize only.

Six prizes for the highest records in scholarship are awarded at the end of the Freshman year as follows: In French and German (Modern Language Freshmen) twenty-five dollars; in German (all except Modern Language Freshmen) twenty-five dollars; in English, forty dollars; in Greek, twenty-five dollars; in Latin, forty dollars; in Mathematics, forty dollars. A prize of twenty-five dollars is also awarded for the best results in the work of the gymnasium during the Freshman year. These prizes are awarded only to those pursuing their Sophomore year in Adelbert College.

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and no prize will be given if it seems to the department or departments concerned that it is not clearly merited.

PHILOSOPHICAL PRIZES, founded by Mr. Truman P. Handy and continued in his memory by his daughter, Mrs. John S. Newberry, are offered as follows: Two prizes, one of sixty and one of thirty dollars, are awarded by a committee at the close of the college year to the two members of the philosophical group who shall excel in an original essay and a special examination. The subject assigned for 1903-1904 is, "Statement and Criticism of Spencer's Data of Ethics."

ENGLISH PRIZES are offered as follows: The Early English Text Society offers a prize for the best examination in old and Middle English. The New Shakespeare Society offers a similar prize for the best examination in Shakespeare. Each prize consists of publications of the Society offering it.

THE HUGHES PRIZE. By the kindness of Mr. Rupert Hughes of the Class of 1892, two prizes, one of fifteen and one of ten dollars, are offered for the best poems written by undergraduates. These sums may be combined into a single prize in any year if any one poem is of exceptional merit. Competitors must submit their productions, in type-written form and under an assumed name, not later than May fifteenth of each year. No competitor may submit more than one poem in any one year.

THE HOLDEN PRIZE. Mr. L. E. Holden of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior on some subject selected by the department of Rhetoric. Essays in competition for this prize must be type-written and submitted under an assumed name not later than May fifteenth, 1904. The subject for this academic year is "The Classical Influence on Milton's Paradise Lost."

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THE DEBATE PRIZE. In order to encourage and strengthen the debating interests of the College, an alumnus offers a prize of thirty dollars to be divided equally among the three students who win places on the debating team in the preliminary contests, and represent the institution in the annual contest of the Ohio Debating League.

THE HARRIET PELTON PERKINS SCHOLARSHIP, the income of a fund of two thousand dollars, given for that purpose by Mr. Edwin R. Perkins, is awarded annually to that member of the Junior class who fills the following conditions: He must rank in the first third of his class in the study of the classics, having pursued Latin and Greek through the Sophomore year. Among those fulfilling the first condition he must also attain the highest rank for excellence in English, having taken, besides all required courses, at least three hours a week during both terms of the Junior year.

Except to Seniors, prizes awarded at commencement are paid at the beginning of the ensuing term, and no prize will be so paid unless the student continues his connection with the College.

THE FRANCIS G. BUTLER PUBLICATION FUND

In March, 1893, Mrs. Julia W. Butler gave one thousand dollars to found the Francis G. Butler Publication Fund, "the income from the fund to be devoted to the publication of the results of original research in the field of American history, made by the professors or students of Adelbert College, the College for Women, or the Graduate School of Western Reserve University."

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EXPENSES

The College charges are as follows:

MATRICULATION ..... $ 5.00
TUITION, INCIDENTALS, LIBRARY AND GYMNASIUM, EACH YEAR 85.00

Students taking work in the biological, chemical, geological and physical departments pay for the cost of perishable material and the loss incident to the use of the instruments. Laboratory fees vary for different courses, and the amount for each is specified in the statement of courses. All College charges for the half-year are paid to the Bursar at the time of registration.

Board and rooms in private families in the vicinity of the College may be obtained at a cost of from three to five dollars a week; board in clubs for from two and a half to three dollars a week.

BENEFICIARY AND OTHER AID

Certain scholarships are awarded to meritorious students who need pecuniary aid. By these they are relieved of a portion of the fixed charges of the College. The scholarships are founded by gifts of $500 each, and are worth the interest of that sum at six per cent., or $30 a year. All scholarships are granted upon the following conditions:

1. All applicants for scholarships shall file written statements of resources, expenses and needs, accompanied in the case of those just entering college, whether as Freshmen or in the higher classes, by testimonials as to character and attainments.

2. Scholarships shall be granted annually upon each application, but may be withdrawn for cause at the end of one half-year.

3. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, shall be in the hands of the Executive Committee, who

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shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

4. In general only candidates for a degree in full standing are eligible to a scholarship. But one may be granted to any student who, by reason of incomplete preparation, is obliged to enter college as a special student, but with the intention of making up his deficiencies and taking a degree, and it may be continued to him in successive years if his progress warrants the belief that he will carry out his intention. But a student in full standing who becomes a special student, shall not in general be eligible to a scholarship. A student, to be eligible to a scholarship, or to retain one, must in general maintain an average of F in all his studies and must not fall below the passing grade in any subject.

5. A scholarship may be withdrawn from a student whose work or conduct ceases to be satisfactory.

In addition to the scholarships, there are also certain funds which are loaned to students recommended by the Faculty. When repaid they will be used in aiding other students. A few of those students who have a thorough preparation for college are enabled to earn more or less money by teaching or other labor.

Students placed upon the list of beneficiaries are expected to maintain their standing in scholarship, and also to finish their course here. Before dismissal to another institution can be granted, the college dues, including the amounts given or loaned, must first be paid.

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THE COLLEGE FOR WOMEN

GENERAL STATEMENT

IN ORDER to provide more adequate means for the separate higher education of young women, the Trustees of Western Reserve University established the College for Women in 1888. The first session began in September of the same year. For the first three years of its existence the college depended largely for its courses of instruction upon members of the faculty of Adelbert College. At the end of that period it acquired a separate corps of instructors, so that since that time each of the two colleges, the one for women and the other for men, has had a faculty of its own. In this relation special mention should be made of the generous gifts and bequests through which have been established the Eliza Clark Professorship of Greek, the Emily A. Woods Professorship of Latin, the Florence Harkness Professorship of Biblical Literature, and the Lucy A. Leffingwell Professorship of Philosophy. The two colleges have a common standard of work, and the relations of each to the other and to the rest of the University tend to develop a common breadth of outlook. Moreover, in a number of the departments, by exchange of work and other arrangements, instruction is given in each college by members of the faculty of the other. Graduates of the College for Women receive their degrees from the University, of which

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it is an integral part. The system is thus not one of co-education, nor of complete separation in education, but of co-ordination.

In 1892 the College occupied its present site on Bellflower Avenue, in the most attractive and healthful part of the city, a few steps from Euclid Avenue on one side and from Wade Park and the great system of parks and boulevards on the other. In 1898 and 1903 the college grounds were enlarged, so that they now contain about six acres. Clark Hall, named from its donor, Eliza Clark, was erected in 1892 from designs by Richard M. Hunt. It contains the library, gymnasium, and offices, in addition to recitation and study rooms. A home for students, called Guilford House, the gift of Mrs. Samuel Mather, was built in 1892 and greatly enlarged in 1894. The Florence Harkness Memorial contains, in addition to the main assembly room, the recitation room and library for the Bible classes. Haydn Hall is designed to provide rooms for study and social purposes, and also to serve as a dormitory. The laboratories in Biology, Chemistry, Geology and Physics are situated on the campus of Adelbert College and are used in common with the members of that college. The Hatch Library and Astronomical Observatory are also used in common.

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ADVISORY COUNCIL

Honorary President, MISS L. T. GUILFORD.
President, MRS. W. R. WARNER.
Vice President, MRS. E. W. HAINES.
Recording Secretary, MRS. J. J. TRACY.
Corresponding Secretary, MRS. PASCAL H. SAWYER.
Treasurer, MRS. HENRY S. SHERMAN.

MRS. SAMUEL MATHER,
MRS. EDWARD W. MORLEY,
MISS HARRIET SHELDON HURLBUT,
MISS HARRIET L. KEELER,
MRS. J. H. WADE,
MRS. CHARLES J. SHEFFIELD,
MRS. LUKE LASCELLES,
MISS AUGUSTA MITTLEBERGER,
MRS. C. F. OLNEY,
MRS. W. S. TYLER,
MRS. GEORGE A. GARRETSON,
MISS MARY L. SOUTHWORTH,
MRS. WILLIAM A. LEONARD,
MRS. JAY C. MORSE,
MRS. H. E. MYERS,
MISS ANNA BURGESS,
MRS. DUDLEY P. ALLEN,
MRS. D. Z. NORTON,
MRS. ARTHUR E. LYMAN,
MRS SAMUEL A. RAYMOND,
MRS. WILLIAM E. CUSHING,
MISS CORA E. CANFIELD,
MISS KATHARINE CROXTON,
MRS. HARRY R. COLLACOTT, President of the Alumnae Association.

Corresponding Members.

Mrs. Wm. H. Upson, Akron, O.
Mrs. C. W. Jacques, Ashtabula, O.
Mrs. J. Osborne Moss, New York.
Mrs. James A. Garfield, Mentor, O.
Mrs. H. S. Lane, Crawfordsville, Ind.
Mrs. C. O. Gridley, Erie, Pa.
Mrs. Thos. Kilpatrick, Omaha, Neb.
Miss Ellen G. Reveley, Syracuse, N.Y.
Mrs. G. H. McElevy, Youngstown, O.
Mrs. Henry B. Perkins, Warren, O.
Mrs. Frank Swayne, Toledo, O.
Mrs. J. S. Newberry, Detroit, Mich.
Mrs. Frank G. Sigler, Montclair, N.J.
Mrs. Joseph Howells, Jefferson, O.
Mrs. George H. Ely, Elyria, O.
Miss Caroline Hardy, Columbus, O.

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FACULTY AND INSTRUCTORS

Arranged, with exception of the President, in the order of graduation from college, within each division.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HIRAM COLLINS HAYDN, D. D., LL. D., 173 Bellflower Av.
Harkness Professor of Biblical Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Woods Professor of Latin.

HAROLD NORTH FOWLER, PH D., (Absent for the year.)
Clark Professor of Greek.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

ROBERT WALLER DEERING, PH. D., The Euclid, 2662 Euclid Av.
Professor of Germanic Languages and Literature.

HERBERT AUSTIN AIKINS, PH. D., 23 Adelbert Hall.
Leffingwell Professor of Philosophy.
Secretary of the Faculty.

ANNA HELENE PALMIÉ, PH. B., 48 Mayfield St.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

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ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in Historical Bibliography.

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Instructor in Romance Languages.

ALLYN ABBOTT YOUNG, PH. D., 18 Adelbert Hall.
Instructor in Economics.

CLARENCE POWERS BILL, PH. D., 853 Logan Av.
Instructor in Greek.

CARL BYRON JAMES, B. S., South Euclid, O.
Instructor in Biology.

CLARA LOUISE MYERS, PH. B., 95 Mayfield St.
Instructor in English.

CHARLES WILLIAM PRENTISS, PH. D., 77 Hilburn Av.
Instructor in Biology.

WILLIAM SPENCE ROBERTSON, PH. D., 24 Adelbert Hall.
Instructor in History.

MARY GEORGE CLARK, Guilford House.
Instructor in Physical Training.

JOHN MILLS, A. B., 81 Mayfield St.
Instructor in Physics.

Additional instruction in their own departments is given by the following members of the Adelbert College Faculty.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

ABRAHAM LINCOLN FULLER, PH. D., 45 Wilbur St.
Professor of Greek.

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EDWARD STOCKTON MEYER, PH. D., The Somerset, Billings Av.
Assistant Professor of German.

WALTER TAYLOR MARVIN, PH. D., 43 Spangler Av.
Assistant Professor of Philosophy.

ELBERT JAY BENTON, PH. D., The Auburn, 3020 Euclid Av.
Instructor in History.

WINFRED GEORGE LEUTNER, A. B., 137 Arlington St.
Instructor in Greek.

NINA MAY ROBERTS, A. M., 30 Sayles St.
Assistant in English.

BESSIE MILDRED CHANDLER, PH. B., 894 Case Av.
Assistant in Biological Laboratory.

LILLIAN G. TOWSLEE, M. D., 406-8 Osborn Bldg.
Lecturer in Physiology and Hygiene.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Av.
Medical Examiner.

OTHER OFFICERS

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Registrar.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Bursar.

HARRY ALBERT HARING, A. B., 78 Cornell St.
Treasurer.

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Librarian, Hatch Library.

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Librarian, College for Women.

ELIZABETH CURRIER ANNIN, *Housemistress,* Guilford House.

ISADORE HEYDENBURK, *Housemistress,* Haydn Hall.

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STUDENTS

SENIORS

Florence Ellinwood Allen, Cl.*	*Salt Lake City*	Guilford House.
Carlyne Margaret Buschman, M.L.	*Cleveland*	Guilford House.
Katherine Evelyn Collord, L. E.	*Cleveland*	189 Taylor St.
Grayce Mildred Daniels, L. E.	*Canton*	Haydn Hall.
Jessie Edna Daniels, L. E.	*Canton*	Haydn Hall.
Agnes Mary Doster, M. L.	*Cleveland*	72 Merchants Av.
Fanny Alice Dunsford, M. L.	*Rochester, N. Y.*	Guilford House.
Lois Violet Ellett, L. E.	*Cleveland*	Guilford House.
Madge Ina Ferry, L. E.	*South Kirtland*	Haydn Hall.
Hortense Furth, L. E.	*St. Louis, Mo.*	The Whitehall.
Bessie Gillmer, L. E.	*Warren*	Guilford House.
Alma Gertrude Gleason, Cl.	*Cleveland*	168 Cedar Av.
Jennie Adele Gleeson, L. E.	*Cleveland*	54 Kenwood Av.
Susan Elizabeth Gray, L. E.	*Cleveland*	199 Quincy St.
Alice Constance Hagan, Cl.	*Cleveland*	386 Willson Av.
Edith Mabel Hill, L. E.	*Cleveland*	758 Hough Av.
Frances Antoinette Hinde, L. E.	*Cuyahoga Falls*	Haydn Hall.
Mary Estelle Hopkinson, L. E.	*Cleveland*	288 Gordon Av.
Ethel Irene Jones, Cl.	*Cleveland*	1635 Harvard St.
Ella Koningslow, M. L.	*Cleveland*	882 Scovill Av.
Rhoda Landsberg, M. L.	*Cleveland*	The Euclid.
Louise Reber Layman, Cl.	*Youngstown*	Guilford House.
Florence Agnes Lessick, Cl.	*Cleveland*	486 Giddings Av.
Sarah Emily McMurray, M. L.	*Hubbard*	Guilford House.
Addie Ellen Oakley, L. E.	*Cleveland*	800 Hough Av.
Lillian Elizabeth Oakley, L. E.	*Cleveland*	800 Hough Av.
Frances Isabel Odlin, L. E.	*Dayton*	Guilford House.
Phoebe Katharine Parks, L. E.	*Collinwood*	Collinwood, O.
Mary Jeannette Proudfoot, Cl.	*Cleveland*	Guilford House.
Zillah Genevieve Quayle, M. L.	*Cleveland*	290 Sibley St.
Florence Alice Reeve, Cl.	*Willoughby*	Guilford House.
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Clara Beth Schneider, M. L.	*Canton*	Haydn Hall.
Anna Groh Seesholtz, M. L.	*Canton*	Guilford House.
Beulah Blanch Smith, L. E.	*Cortland*	1204 Cedar Av.
Ruhamah Georgette Smith, Cl.	*Cleveland*	Guilford House.

*Abbreviations: Cl. for Classical Course; M. L. for Modern Language Course; L. E. for Latin-English Course.

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Mary Emily Van Epps, Cl.	*Cleveland*	915 S. Logan Av.
Josephine Depear Walsh, Cl.	*East Cleveland.*	69 Hower Av.
Ethel Ogarita Weimer, Cl.	*Cleveland*	144 Hawthorne Av.
Katie Weis, M. L.	*Cleveland*	354 Marcelline Av.
Cecily Whelan, Cl.	*Cleveland*	103 Kentucky St.
Mary Wittler, L. E.	*Miamisburg*	Haydn Hall.
Eleanor Worthington, M. L.	*Cleveland*	Guilford House.

SENIORS 46.

JUNIORS

Vera Andrew, Cl.	*Cedarville*	Haydn Hall.
Ida Florence Budde, Cl.	*Cleveland*	116 Spangler Av.
Mabel Elizabeth Chapman, Cl.	*Cleveland*	103 Marcelline Av
Alice Duty, M. L.	*Cleveland*	2577 Euclid Av.
Etta Freedlander, M. L.	*Cleveland*	158 Putnam St.
Malvina Friedman, M. L.	*Cleveland*	96 Osborne St.
Charlotte Yale Gardner, M. L.	*Cleveland*	81 Edgewood Pl.
Nancy Lodelle Garrett, M. L.	*Cleveland*	775 Giddings Av.
Helen Gilchrist, L. E.	*Cleveland*	Guilford House.
Gertrude Marie Gillin, L. E.	*Cleveland*	91 Quincy St.
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Vesta Maude Jackson, L. E.	*Cleveland*	1057 E. Madison Av.
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Grace Amanda King, M. L.	*Butte, Mont.*	Guilford House.
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Irma Linn, M. L.	*Cleveland*	151 Courtland St.
Maud Eugenia Lyman, L. E.	*Chardon*	Guilford House.
Jean Bailey McFall, L. E.	*Pittsburg, Pa.*	Guilford House.
Emma Bean McKim, M. L.	*Cleveland*	Guilford House.
Mabelle Amele Monson, L. E.	*Cleveland*	Guilford House.
Mabel Adele Morris, L. E.	*Cleveland*	189 W. Madison Av.
Wilamina Morrow, M. L.	*Cleveland*	223 E. Prospect St.
Emma May Mumaw, L. E.	*Canton*	Haydn Hall.
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Louise Christina Schuele, L. E.	*Cleveland*	15 Jay St.

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Gwendolyn Lloyd Thomas, Cl.	*Cleveland*	2688 Warner Rd.
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Lois Brockway Williams, Cl.	*Cleveland*	127 Streator Av.
Jennie Young, L. E.	*Cleveland*	22 Melrose Av.

JUNIORS 37.

SOPHOMORES

Lula Alberdena Alburn, Cl.	*Youngstown*	Haydn Hall.
Mabel Estelle Anderson, L. E.	*New York, N. Y.*	Guilford House.
Lola Armstrong, M. L.	*Painesville*	962 Willson Av.
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Florence Margaret Brooks, Cl.	*Cleveland*	6 The Heyse.
Anita Marie Cleveland, M. L.	*Cleveland*	392 Bolton Av.
Lettie May Clague, Cl.	*Madison*	103 Sterling Av.
Lila Emily Coit, Cl.	*Ravenna*	Haydn Hall.
Martha Cook, Cl.	*Cleveland*	304 Franklin Av.
Lida Margaret Cramer, L. E.	*Cleveland*	861 Scranton Av.
Cornelia Cranz, L. E.	*Akron*	Haydn Hall.
Marguerite Eckstein Case Day, L. E.	*Cleveland*	2100 Dennison Av.
Mary Frances Day, M. L.	*Warren*	Guilford House..
Irene Delahunt, L. E.	*Buffalo, N. Y.*	82 Hough Pl.
Mildred DeLaney, M. L.	*Cleveland*	305 Huron St.
Ruth Elliott, L. E.	*Lakewood*	17 Grace Av.
Frieda Fliedner, M. L.	*Cleveland*	160 Wellington Av.
Aimee Carolyn Friend, M. L.	*Milwaukee, Wis.*	Guilford House.
Helen Barber Gaines, Cl.	*Cleveland*	173 Bell Av.
Charlotte Christine Geuder, M. L.	*Cleveland*	Guilford House.
Mary Estelle Hagan, Cl.	*Cleveland*	386 Willson Av.
Gussie Kelley Hamilton, M. L.	*Kelley's Island*	Haydn Hall.
Laura Maria Hassler, M. L.	*Cleveland*	39 Williams St.
Elsie Sophia Hauser, L. E.	*Sandusky*	Haydn Hall.
Florence Adelaide Hobson, L. E.	*Lakewood*	123 Oakdale St.
Mildred Ione Honecker, M. L.	*Cleveland*	482 Jennings Av..
Sarah Mildred Honeywell, L. E.	*Cleveland*	315 Genesee Av.
Clara Mary Horn, M. L.	*Cleveland*	224 Slater Av.
Ethel May Hurst, L. E.	*Lake Breeze*	401 Rosedale Av.
Emanuela Anna Janousek, L. E.	*Cleveland*	1772 Broadway.

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Margaret Dorothy Jones, L. E.	*Cleveland*	Independence St.
Elizabeth Coit Kelton, M. L.	*Columbus*	Guilford House.
Maude Barber Kendall, L. E.	*Cleveland*	1306 Cedar Av.
Ruth Richmond Kennan, Cl.	*Medina*	Guilford House.
Gertrude Hortense Leon, M. L.	*Cleveland*	1428 Willson Av.
Margaret Knowlton, M. L.	*Cleveland*	530 Jennings Av.
Lillian Rhea Linn, M. L.	*Cleveland*	112 Dibble Av.
Nellie May Luehrs, Cl.	*Cleveland*	580 Willson Av.
Ruth Lovern Mann, M. L.	*Cleveland*	40 Hollister St.
Elma Anne Marble, Cl.	*Girard*	Haydn Hall.
Ruth Bixby McKean, Cl.	*Cleveland*	Guilford House.
Eleanore Emma Michel, M. L.	*Cleveland*	1869 Superior St.
Margretta Catherine Molony, L.E.	*Cleveland*	156 Jennings Av.
Anna Louise Morgan, M. L.	*Cleveland*	2232 Willson Av.
Nelly Bell Newton, M. L.	*Cleveland*	408 E Prospect St.
Harriet Jane Noland, L. E.	*Cleveland*	1155 Doan St.
Christine Ortli, L. E.	*Cleveland*	1083 Pearl St.
Ruby Mary Osborne, L. E.	*Binghamton, N. Y.*	Guilford Hse.
Mary Ann Peabody, Cl.	*Cleveland*	127 Kinsman St.
Rumah Adaline Peets, L. E.	*Nottingham*	62 Tennis St.
Nellie Craig Saunders, Cl.	*Cleveland*	1265 Slater Av.
Helene Selminski, M. L.	*Cleveland*	34 Princeton St.
Beulah Cranage Rayner, Cl.	*Cleveland*	Guilford House.
Mabel Gertrude Rose, Cl.	*Angola, Ind.*	Haydn Hall.
Adaline Sherman, L. E.	*Cleveland*	542 Franklin Av.
Harriet Smith, Cl.	*Cleveland*	193 Oakdale St.
Helen Smith, M. L.	*East Cleveland*	37 Grasmere St.
Lillian Ethel Switzer, L. E.	*Cleveland*	Guilford House.
Edith Belle Taylor, Cl.	*Penn Yan, N. Y.*	Guilford House.
Mary Arabella Thacher, M. L.	*Toledo*	Haydn Hall.
Elva Held Thomas, Cl.	*Cleveland*	59 Norton Av.
Faye Emma Tracy, L. E.	*Euclid*	Euclid, O.
Marion Louise Van Vliet, M. L.	*E. Aurora, N.Y.*	373 Harkness Av.
Anna Eliza Wallace, Cl.	*Warren*	Guilford House.
Nellie Fay Wallace, M. L.	*Cleveland*	67 Tilden Av.
Elizabeth White, L. E.	*Euclid*	Euclid, O.
Hazel Lucinde White, Cl.	*Painesville*	49 Cory Av.
Ethel Cora Whitworth, Cl.	*Cleveland*	61 Gorman Av.
Florence Woodward, L. E.	*Cleveland*	95 Mayfield Rd.
Lucy Harriet Young, L. E.	*Cleveland*	22 Melrose Av.

SOPHOMORES 71.

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FRESHMEN

Lucy Cordelia Allen, M. L.	*Cleveland*	90 Kenilworth St.
Ruth Shirk Allison, Cl.	*Erie, Pa.*	Haydn Hall.
Leila Covert Avery, L. E.	*Buffalo, N. Y.*	657 Woodl'd Hills.
Addie Laura Brewster, Cl.	*Cleveland*	276 Hosmer St.
Helen Hunt Buchan, M. L.	*Cleveland*	272 Harkness Av.
Jeanne Arwilda Buckmaster, M. L.	*Mansfield*	Guilford House.
Florence Cornelia Bushnell, M. L.	*Cleveland*	648 Castle Av.
Anna Grace Cannell, L. E.	*Cleveland*	247 Miles Av.
Maud Augusta Carabin, M. L.	*Monroeville*	2238 Euclid Av.
Ruth Josephine Collings, L. E.	*Cleveland*	128 Duane St.
Eleanor Duffield Cooke, M. L.	*Cleveland*	44 Hough Pl.
Viola Frances Doering, M. L.	*Cleveland*	1817 Willson Av.
Carrie Belle Ebert, L. E.	*Elyria*	Guilford House.
Cecile Leffingwell Enegren, M. L.	*Moline, Ill.*	Haydn Hall.
Rosalie Alice Fiebeger, L. E.	*Akron*	Guilford House.
Paula Marie Fliedner, M. L.	*Cleveland*	160 Wellington Av.
Ethel Luella Gillin, L. E.	*Cleveland*	91 Quincy St.
Nella Beatrix Hatter, M. L.	*Huntsburg*	8 Keyes St.
Ethel Marie Hanson, Cl.	*Cleveland*	2220 Willson Av.
Elsie Heidenreich, M. L.	*Cleveland*	18 Selden Av.
Mary Jessie Horsburgh, Cl.	*Cleveland*	151 Hoadley St.
Jean Allan Howells, M. L.	*Cleveland*	365 Miles Av.
Florence Harriet Hutchinson, M.L.	*Napoleon*	Haydn Hall.
Martha Louise Jeschke, L. E.	*Cleveland*	33 Livingston St.
Bertha Johnson, M. L.	*Oskaloosa, Ia.*	41 Mt. Union St.
Katherine Eleanor Joslyn, M. L.	*Youngstown*	Guilford House.
Elsie Eugenia Kelly, M. L.	*Cleveland*	25 Vienna St.
Hazel Warrington Kirk, Cl.	*Cleveland*	27 Brookfield St.
Lucia Lemperly, M. L.	*Cleveland*	574 Franklin Av.
Grace Lucile Libby, M. L.	*Cleveland*	220 Princeton St.
Bessie Adelaide Lombard, M. L.	*New Haven, Conn.*	462 Giddings.
Edith Harley Lucas, M. L.	*Cleveland*	12 Ames Av.
Fannie Maude Luehrs, Cl.	*Cleveland*	580 Willson Av.
Grace Estelle Merrill, M. L.	*Ravenna*	59 Knox St.
Lora Maude Mitchell, L. E.	*Cleveland*	14 Stanley Av.
Mildred Kelly Moysey, M. L.	*Elyria*	Guilford House.
Alma Mueller, M. L.	*Cleveland*	53 Chestnut St.
Gertrude Maud Mueller, M. L.	*Cleveland*	730 Willson Av.
Vida Alberta Nisbet, M. L.	*Cleveland*	439 Russell Av.
Loey May Oakley, Cl.	*Cleveland*	800 Hough Av.

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Jessica Laura Ossman, L. E.	*Cleveland*	229 Hamilton St.
Lola Mabel Ruffin, L. E.	*Washington, D. C.*	4 Hudson St.
Susie Mae Ryder, L. E.	*Cleveland*	708 Franklin Av.
Wilhelmina Sammler, L. E.	*Marysville*	Haydn Hall.
Flora Ruth Schneider, L. E.	*Canton*	Haydn Hall.
Caroline Catherine Schoenhut, M. L.	*Lakewood*	Guilford House.
Hulda Schwartz, M. L.	*East Cleveland*	40 Collamer Av.
Ora Eunice Shaw, M. L.	*Cleveland*	723 Republic St.
Florence Anne Stevens, M. L.	*Ravenna*	Haydn Hall.
Gladys Elizabeth Stevens, M. L.	*Cleveland*	2036 Broadway.
Frances Zoe Stowell, L. E.	*Cleveland*	67 Cutler St.
Clara Louise Stumpf, M. L.	*Cleveland*	719 Dennison Av.
Lois Margaret Tuckerman, Cl.	*Cleveland*	Guilford House.
Ethel Linda Van Nostran, L. E.	*Cleveland*	204 Harkness Av.
Marie Clara Wait, M. L.	*Cleveland*	17 Republic Pl.
Zola May Watson, L. E.	*Bellville*	59 Knox St.
Florence Margaret Wedow, M. L.	*Cleveland*	93 Tilden Av.
Charlotte Williams, L. E.	*East Cleveland*	43 Beersford Pl.

FRESHMEN 58.

STUDENTS PURSUING PARTIAL COURSES

THIRD YEAR

Edith Condé, Cl.	*East Cleveland*	33 Wellesley St.
Edith Leona Eastman, L. E.	*Glenville*	161 Avondale Av.
Helen Sterrett Henning, M. L.	*Fargo, N. D.*	Guilford House.
Rita Remington Sabin, M. L.	*Cleveland*	89 Tilden Av.

SECOND YEAR

Mabel Hamilton Cowgill, L. E.	*Cleveland*	756 N. Logan Av.
Elisabeth Lee Dunning, L. E.	*Dayton*	Haydn Hall.
Mary Freer, Cl.	*Cleveland*	1528 Cedar Av.
Marcia Belle Wilkin, M. L.	*New Philadelphia*	The Kenmore, Cedar Av.

FIRST YEAR SPECIALS

Florence Ruth Biddle, M. L.	*Cleveland*	1264 Cedar Av.
Charlotte Grace Bultman, Cl.	*Cleveland*	49 Vienna St.
Helen Gertrude Campbell, M. L.	*Cleveland*	993 Cedar Av.
Cora Knutsford Dunnells, L. E.	*Pittsburgh, Pa.*	59 Knox St.
Cornelia Furth, L. E.	*Cleveland*	The Whitehall.
Dorothy Heinemann, M. L.	*Wausau, Wis.*	46 Euclid Pl.

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Trissa Hubbard, M. L.	*Bedford*	4254 Euclid Av.
Julia Adaline Keeler, L. E.	*Painesville*	Guilford House.
Martha Pearl Lovett, L. E.	*Eaton*	Haydn Hall.
Lois Marie Miller, L. E.	*Urbana*	Haydn Hall.
Myra Moses, M. L.	*Cleveland*	1197 Case Av.
Catharine Dingwall Ross, M. L.	*Cleveland*	37 Sayles St.
Maud Stanberry, L. E.	*McConnelsville*	Haydn Hall.
Rita Stein, M. L.	*Cleveland*	1055 Case Av.
Grace Lillian Turrill, L. E.	*Cleveland*	401 Rosedale Av.
Vera Wilcox Van Wormer, Cl.	*Cleveland*	27 Kirk St.

SPECIALS 24

SUMMARY

Seniors	46
Juniors	37
Sophomores	71
Freshmen	58
Specials	24
Total	236

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REQUIREMENTS FOR ADMISSION

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

Applicants for admission may be examined either during Commencement week or at the opening of the first term in September. Those who wish to be examined during Commencement week should notify the Registrar before June 10; those who wish to be examined in September, before September 10.

REQUIREMENTS COMMON TO ALL COURSES

All candidates, irrespective of the course they may choose, must be prepared in English, Latin, and Mathematics, according to the outlines of those subjects given below.

ENGLISH: The examination consists of two parts. On the books marked *A* in the following lists, the student is required to write a paragraph or two on each of several topics chosen by her from a considerable number set before her on the examination paper. In every case the knowledge of the book will be considered of less importance than the ability to write English. On the books marked *B*, the student is required to answer questions relating to the author, subject matter, the essentials of English grammar, and the important facts in those periods of English literary history to which the prescribed books belong. She is also expected to express her knowledge with clearness and accuracy.

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Examinations in 1904 and 1905: *A.* For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B.* For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—Six orations, including De Imperio Gn. Pompeii. Virgil—six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Loomis, Wells, or Wentworth's College), to the chapter on the Binomial Theorem. Geometry—(Wentworth or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

ADDITIONAL REQUIREMENTS FOR EACH COURSE

In addition to the above, students entering the several courses must be prepared in the following subjects: For the Classical Course, Greek; for the Modern Language Course, French or German; for the Latin-English Course, Chemistry, Physics, and History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the Preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered an equivalent). Homer—three books of the Iliad, with Prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), or Jones's Exercises in Greek Prose (twenty-six exer-

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cises), is recommended. History of Greece—the amount required is indicated by Botsford's, Oman's or Myers's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: Grammar and syntax (stress being laid on the irregular verbs); accuracy of pronunciation; ability to understand easy spoken French; facility in rendering connected English into easy French; ease and accuracy in sight translation; familiarity with the following works or their equivalent:

Erckmann, Chatrian, Madame Thérèse; Halévy, L'Abbé Constantin; Labiche, Voyage de M. Perrichon; Contes de Coppée et de Maupassant (pub. by Holt & Co.); Augier, Le Gendre de M. Poirier; Molière, L'Avare; Corneille, Le Cid; Racine, Athalie; Balzac, Eugénie Grandet; Renan, Souvenir de Jeunesse; Ste. Beuve, Causeries du lundi (Holt & Co.).

GERMAN: Grammar, with translation at sight of easy German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when spoken. In addition, familiarity with the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent. Class work (through one year). Laboratory.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Class-work through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative, such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY: (through one year). Courses suggested in order of preference: Greek and Roman (studied as a separate course distinct from work in Latin), or Mediæval and Modern, or English.

NOTE: Students presenting more than two years' preparatory work in history will be granted advanced standing upon passing an examination.

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ADMISSION ON CERTIFICATE

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar, during Commencement week, or as soon thereafter as practicable.

When the above requirements have not been met exactly, the equivalents offered must be specified in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all of the requirements.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated.

ADMISSION TO ADVANCED STANDING

Candidates for admission to the Sophomore, Junior and Senior classes, whether from other colleges or not, may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior class after the beginning of the second half-year.

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REQUIREMENTS FOR GRADUATION

FRESHMAN YEAR

REQUIREMENTS COMMON TO ALL COURSES

	First Half-Year. Hrs.	Second Half-Year. Hrs.
BIBLE, I, 2	1	1
ENGLISH, 1 2	3	3
LATIN, 1, 2	3	3
MATHEMATICS, 1, 2	3	3

ADDITIONAL REQUIREMENTS FOR EACH COURSE

Classical Course	GREEK, 1, 2 ..... AND GERMAN, 1, 2 / or / FRENCH, 1, 2	6	6
Modern Language Course	GERMAN, 5, 6 / FRENCH, 1, 2 ..... or FRENCH, 5a, 6a / GERMAN, 1, 2		
Latin-English Course	PHYSICS, 1 A (first half-year).. HISTORY, 1 (second half-year). GERMAN, 1, 2 / or / FRENCH, 1, 2		
		16	16

In addition to the above subjects all members of the Freshman class are required to attend lectures on Hygiene, one hour a week, first half-year. Systematic exercises in the gymnasium three times a week, throughout the year, are required of Freshmen and Sophomores.

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SOPHOMORE YEAR

REQUIREMENTS COMMON TO ALL COURSES

	First Half-Year. Hrs.	Second Half-Year. Hrs.
BIBLE, 3, 4.	1	1

ADDITIONAL REQUIREMENTS FOR EACH COURSE

Classical and Modern Language Courses	HISTORY, 1	3	..
	PHYSICS, 10	3	..
	ELECTIVES	9	15
		16	16
Latin-English Course	FRENCH, 1, 2 or GERMAN, 3, 4 or FRENCH, 3, 4 or GERMAN, 1, 2	6	6
	PHILOSOPHY 1	..	3
	ELECTIVES	9	6
		16	16

JUNIOR YEAR

ELECTIVES	15	15

SENIOR YEAR

ELECTIVES	15	15

Among their electives all students are required to take at least one course in either Economics or Philosophy, and at least one course each in two of the three sciences, Biology, Chemistry, and Physics. See also page 118.

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COURSES OF INSTRUCTION

The following statements include all courses offered, whether prescribed or elective. Unless otherwise stated, each course consists of three weekly recitations of one hour each.

In making choice of elective courses students are expected to confer with the President, Registrar, and members of the Faculty for advice and assistance. Students must give the Registrar written notice of their choice of electives for the second half-year of 1903-1904, on or before January 16th, 1904; for first half-year, 1904-1905, on or before May 21st, 1904.

ANTHROPOLOGY

PROFESSOR CURTIS

1. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

2. THEORY OF SOCIETY. This course uses Anthropology as a basis of Social Theory, and is given in lectures with discussions and reports by students. Open only to those who have had courses in Anthropology, Psychology and Introduction to Philosophy. First half-year.

3. SOCIAL INSTITUTIONS is a continuation of course 2 in its practical applications to a genetic classification of Social Institutions. Lectures throughout the term with special assignments to students. Second half-year.

ART

PROFESSOR FOWLER

1. HISTORY OF ART. Ancient art—Lectures and collateral reading. Through the year.

2. HISTORY OF ART. Post-classical art; from the beginning of Christian art through the period of the Renaissance—Lectures and collateral reading. Through the year. [Not given in 1903-04.]

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ASTRONOMY

PROFESSOR WHITMAN.

The course is mainly descriptive and is amply illustrated. The simpler problems of spherical astronomy are discussed. Some attention is given to the history of astronomy. Text-book, Young's General Astronomy. Second half-year.

BIBLICAL LITERATURE

PRESIDENT THWING, 1

DR. HAYDN

ASSOC. PROF. HOWELL M. HAYDN, 2-11

1. THE LIFE OF CHRIST. One hour a week, first half-year.

2. THE ACTS OF THE APOSTLES. One hour a week, second half-year.

3, 4. STUDIES IN THE OLD TESTAMENT. One hour a week throughout the year.

5. STUDIES IN THE ACTS AND THE GENERAL EPISTLES. A critical course intended for those who can use the Greek Testament. Second half-year.

NOTE: This course may serve as a substitute for Course 2, if desired.

6. THE PAULINE EPISTLES. A course in the English Testament, aiming to exhibit the circumstances of writing, content, and permanent value of these epistles to the church. First half-year.

7. THE GENERAL EPISTLES. A course similar to 6. Second half-year.

8. OLD TESTAMENT POETRY. A series of studies in the English Old Testament, taking up Hebrew poetry as exhibited especially in the historical books, in Proverbs, and in Psalms. Second half-year.

9. OLD TESTAMENT PROPHECY. A course in the English Old Testament, aiming to exhibit fully the times and the personalities of the Hebrew prophets, as well as their distinctive messages. First half-year.

NOTE: Courses 8 and 9 are open to those only who have had courses 3 and 4.

10, 11. HEBREW GRAMMAR AND READING. An introductory course. Harper's Elements of Hebrew will be used, with the Old Testament text. Throughout the year.

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The establishment of the Florence Harkness Foundation has enabled this department not only to become exceptionally well supplied with maps and books, but to offer each year to all the students a series of lectures by eminent persons from outside the University. In 1896-7, Dr. William H. Ward, of the Independent, delivered five lectures on the connection of Old Testament History with that of Egypt, Babylon and Syria. In 1897-8 Professor Charles P. Fagnani, of Union Theological Seminary, gave a course of five lectures on The Bible and Its Interpretation, and Mr. Gerald Stanley Lee, of Northampton, Mass., five lectures on the Mind of Christ. In the Spring of 1899, Professor George Adam Smith, of Free Church College, Glasgow, Scotland, gave eight lectures on the Old Testament. In 1899-1900, Professor Richard G. Moulton, of the University of Chicago, delivered five lectures on The Literary Interpretation of the Bible.

In 1900-01 Professor Frank K. Saunders, Ph. D., D. D., of Yale University, gave a course of five lectures on "The Prophets of Israel and their Messages."

In 1901-02 Professor W. D. Forrest, D. D., of Glasgow, Scotland, gave one lecture on Christ's Teaching as to Individual and Corporate Duty. The Right Reverend Henry C. Potter, Bishop of New York, one on The Place of the Bible in Modern Life. Professor Richard G. Moulton, of the University of Chicago, three lectures on The Bible as a Story Book; The Book of Job, a Dramatic Masterpiece; The Place of the Bible in a Liberal Education. John Peter Jones, D. D., of Madura, India, gave three lectures on Conditions, Problems, and Results of Missionary Service.

Dr. George Adam Smith was engaged for the year 1902-03, and delivered four lectures on Jeremiah, when the course was arrested by the serious illness of the lecturer and was not resumed.

In Old Testament teaching the object is to trace the development of the idea of the kingdom of God, as wrought out in the history of the Hebrew people until the coming of Christ; to dwell upon the pivotal men and periods of the history; to take account of the several books, their significance and literary form—so to prepare the way for a more intelligent study of the Scriptures, in detail, in after life.

BIBLIOGRAPHY

MR. SEVERANCE, 1, 2

MR. WILLIAMS, 3

1. Historical and General Bibliography. The object of this course will be to familiarize the students with the best guides, indices,

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repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work. 1903-1904. Second half-year.

2. THE SOURCES AND LITERATURE OF MEDIAEVAL HISTORY. This course will describe the original material at the command of the historian of the Middle Ages, and show what use has been made of this source of material by modern writers. The course is designed for students interested in historical study or library work.

3. REFERENCE WORK. A study of the better known works of reference, as the general and special cyclopedias, dictionaries, annuals, indexes to periodicals, and ready reference manuals of every kind. Works of a similar nature will be compared, and the limitations of each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. One hour a week, second half-year.

BIOLOGY

PROFESSOR HERRICK (Absent for the year.)

MR. JAMES

DR. PRENTISS

1. ELEMENTARY BIOLOGY. An introduction to the study of animal and plant life. One recitation, two laboratory exercises of two hours each. Second half-year.

2. ZOOLOGY—COMPARATIVE ANATOMY OF INVERTEBRATES. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. ZOOLOGY—COMPARATIVE ANATOMY OF VERTEBRATES. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

6. PHYSIOLOGY. Elements of the physiology of man and the lower animals. Three exercises, consisting of lectures, recitations, and demonstrations of one hour each. First half-year.

7. ELEMENTS OF VERTEBRATE EMBRYOLOGY. A study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. ANIMAL BEHAVIOR. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Two exercises weekly. First half-year.

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10. Botany. An introduction to the study of plants. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

11. Reading Club. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from December 1 to May 1 at a time most convenient to the members.

The Laboratory Fees for the different courses are: Courses 1, 2, 3, 7, 10, $5.00.

CHEMISTRY

PROFESSOR MORLEY

ASSOCIATE PROFESSOR GRUENER

ASSISTANT PROFESSOR TOWER

1. Chemistry of the Non-Metallic Elements. Remsen's College Chemistry. Two hours a week in recitation and one laboratory exercise of three hours. First half-year.

2. Inorganic Chemistry. A more advanced course in general chemistry, designed for students entering with a preparation in chemistry. Newth's Inorganic Chemistry. One recitation and two laboratory exercises each week. First half-year.

3. Chemistry of the Metals. Remsen's College Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. Second half-year.

4. Physiological Chemistry. This course will be popular in its nature, and will consist of lectures on the chemistry of the animal body, the chemistry of nutrition, and the chemistry of the ordinary food materials, including the influence of cooking on the chemical composition and on the nutritive value of foods. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. First half-year.

5. Organic Chemistry. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken courses 1 and 3, or courses 2 and 3. First half-year.

6. Course 5 continued. Second half-year.

7. Elements of Qualitative Analysis. Three laboratory exercises of three hours each. Second half-year.

The Laboratory Fees for the different courses are: Courses 1, 3 or 4, $3.00; Course 2, $4.00; Courses 5 or 6, $5.00; Course 7, $6.00.

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ECONOMICS

DR. YOUNG

1. ELEMENTS OF ECONOMICS. Recitations, lectures and required readings. Text-book, Bullock's Introduction to the Study of Economics. First half-year.

3. ECONOMIC HISTORY. The economic history of England from the thirteenth to the middle of the nineteenth century. Lectures and required readings. Text-book, Cheyney's Industrial and Social History of England. First half-year.

4. ECONOMIC PROBLEMS. A brief discussion of socialism is followed by a study of labor problems. Lectures and required readings. Text-books: Ely's Socialism and Social Reform; and Adam's Labor Problems. Second half-year.

6. POLITICAL SCIENCE. An elementary survey of some of the more important theories and facts of government. Second half-year.

ENGLISH

PROFESSOR HULME

MISS MYERS, 1-7a

COMPOSITION

1, 2. PRINCIPLES OF ENGLISH COMPOSITION. Lectures, recitations, themes and conferences. Especial attention will be given to paragraph writing and the study of modern prose writers. Required throughout Freshman year.

3. DAILY THEMES (for a considerable portion of the time); frequent long themes, lectures, conferences. Open to all who have taken courses 1 and 2. First half-year.

4. CONTINUATION OF 3. In the course of the year detailed attention will be given to exposition, criticism, description, narrative and argumentation. Second half-year.

5. THEMES. The work in this course will be adapted to the needs and tastes of the students electing it. Especial opportunity will be given for criticism by the members of the class. Open to those who have taken courses 3 and 4. First half-year.

6. CONTINUATION OF 5. Under the direction of the instructor, each student will be required to plan and write a piece of composition of considerable length. This course may be elected two years in succession. Second half-year.

7. ARGUMENTATION. Two long forensics, preceded by briefs. The questions for these forensics will be so selected that each student

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may write on a subject connected with her college studies. Lectures, conferences, study of masterpieces of argumentation, briefs based on the latter, debates. Second half-year.

7a. ENGLISH VERSIFICATION. A study of metrical and rhythmical theories. Students will be required to translate from Latin, French and German into English verse. Second half-year.

LANGUAGE

8. A BEGINNERS' COURSE IN OLD ENGLISH. In this course special attention is given to the elements of Old English grammar, and to the reading of selections from Old English prose and poetry. Text-books: Smith's Old English Grammar; Bright's Anglo-Saxon Reader. First half-year.

9. OLD ENGLISH EPIC POETRY. Beowulf is read and is made the basis of a careful study of the mythology, and the religious and social life of the Anglo-Saxons. Advanced Old English grammar. Parallel reading of other epic fragments in Old English. Text-books: Wyatt's Beowulf; the Cook-Sievers Old English Grammar. Second half-year.

10. OLD AND MIDDLE ENGLISH. The Elene is read with the class. Lectures on Cynewulf and Old English poetical literature. The history of the English language, and readings from late Old English and early Middle English. Text-books: Kent's Elene; Emerson's History of the English Language; Morris and Skeat's Specimens of Early English, Part I. First half-year.

LITERATURE

11. CHAUCER. Select readings from the Canterbury Tales. Lectures on Chaucer's life and works, and on his contemporaries and immediate successors in English literature. Text-books: Skeat's edition of The Prologue, The Knight's Tale, and The Nonne Prestes Tale. Second half-year.

12. NON-DRAMATIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. In this course the work will be confined mainly to a careful study of the poetry of Spenser and Milton. First half-year.

13. SHAKESPEARE AND THE ELIZABETHAN DRAMA. This course is preparatory to a more extended study of Shakespeare and his contemporaries. A brief history of the Pre-Shakespearean drama in lectures. A study of three or four of Shakespeare's plays. First half-year. [Not given 1904-1905.]

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14. SHAKESPEARE. Lectures on the development of Shakespeare's art and the later Elizabethan drama. The class is required to read all of Shakespeare's plays. Open to students who have had course 13 or its equivalent. Second half-year. [Not given 1904-1905.]

15. ENGLISH LITERARY CRITICISM. The history of literary criticism. The class will study select essays of Dryden, Steele and Addison, Johnson, Coleridge, Lamb, Hazlitt, DeQuincey, Leigh Hunt, Carlyle, Matthew Arnold and others. Lectures and papers. Open to students who have had courses 16 and 17 or their equivalents. First half-year. [Not given 1904-1905.]

16. CLASSICISM IN ENGLISH LITERATURE. A history of modern English literature from Milton to the beginning of the Romantic movement in the eighteenth century. The development of Classicism in English poetry of the seventeenth and eighteenth centuries. This course is arranged specially for Sophomores who intend to elect English literature. First half-year.

17. THE ROMANTIC MOVEMENT OF THE EIGHTEENTH CENTURY. A history of English poetry from about 1760 to 1830. Select readings from the poetry of Burns, Wordsworth, Coleridge, Scott, Byron, Keats, Shelley and other contemporaries. Several papers required. Second half-year.

18. AMERICAN LITERATURE. The historical development of English literature in America from its beginning to the present day. Lectures, papers and extensive readings from the principal writers. Open to Juniors and Seniors. Second half-year.

19. THE ENGLISH NOVEL. The history of the rise and growth of the English Novel from its beginning to the nineteenth century. Lectures, select readings and papers. Text-book: Cross' Development of the English Novel. 1904-1905. First half-year.

20. ENGLISH POETRY FROM 1830 TO 1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, and other poets of the period. A large amount of reading and frequent papers are required on topics suggested by the course. Open to Juniors and Seniors. 1904-1905. First half-year.

21. ENGLISH PROSE FROM 1830 TO 1880. Carlyle, Ruskin, Matthew Arnold, Newman, Thackeray, George Eliot, and other prose writers of the period. The course is a continuation of 20, but the two may be elected separately. Open to Seniors and Juniors. 1904-1905. Second half-year.

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GEOLOGY AND MINERALOGY

PROFESSOR CUSHING

1. MINERALOGY. Crystallography and descriptive Mineralogy. Two hours of recitation and lectures, and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Determinative Mineralogy and blow-pipe analysis. Three laboratory exercises of three hours each. Physical crystallography may be substituted for the blow-pipe work. Second half-year.

3. GEOLOGY. Dynamical Geology. Three hours a week. First half-year.

4. GEOLOGY. Structural and Historical Geology. Lectures and field work in vicinity of Cleveland. Open only to those who have had course 3 or its equivalent. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. Second half-year.

A Laboratory fee of $1.00 is charged for courses 1, 2 or 4.

GERMAN

PROFESSOR DEERING

ASSOCIATE PROFESSOR MEYER, 1, 3, 5

1, 2. GERMAN GRAMMAR AND READER. Easy modern texts. In this and the following courses German is spoken as much as possible in the class-room, but such conversation is regarded as a means, not as an end. Throughout the year.

3, 4. GRAMMAR CONTINUED—PROSE COMPOSITION. Recent German prose and the simpler plays of Lessing, Goethe, or Schiller. In 1904-1905 the first text will be Baumbach's Der Schwiegersohn. Throughout the year.

5, 6. ADVANCED GRAMMAR—PROSE COMPOSITION. Rapid reading of representative modern authors and, in the second half-year, of classic German, with especial attention to Schiller. Practice in reading at sight. The first text for 1904-1905 will be Eckstein's Preisgekrönt. Throughout the year.

7. GOETHE. His life and works and times, with selected readings from his lyrics, prose and dramas. An outline of the development of German literature during the classical period will be studied. First half-year.

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8. NINETEENTH CENTURY AUTHORS. Outline history of German literature since Goethe's death, with especial reference to its prose development. Readings from the best modern novelists, essayists, historians, and dramatists. Practice in writing German. Second half-year.

9. FAUST. Lectures on the development of the Faust legend, with parallel reading of the most important Faust literature; Goethe's Faust. First half-year.

10. LESSING AND THE CLASSIC GERMAN DRAMA. Early eighteenth century drama, Lessing's reforms and influence (lectures); all his important dramas and best critical works, with illustrative parallel reading. First half-year.

12, 13. MIDDLE HIGH GERMAN. Paul's Mittelhochdeutsche Grammatik; Selections from the Nibelungenlied, from Hartmann, Walther, and Wolfram. Throughout the year.

14. HEINE. Lectures on the life and times of Heine, with readings from his most important works. Especial attention will be given to his contemporaries, as well as to the social and political aspects of the time. Second half-year.

16. ADVANCED COMPOSITION. Studies in German style. Original German essays on subjects assigned. Lectures on the history of the German language. Recommended to those who intend teaching German.

17. CONTEMPORARY GERMAN LITERATURE. The new spirit of German literature. Sudermann, Hauptmann, Liliencron, Fontane.

18. OLD GERMANIC MYTHS AND LEGENDS. Outline of Germanic Mythology. Study of the most important mediæval saga cycles. Lectures and papers.

Courses 9-18 are open only to students who have taken courses 7 and 8, or their equivalent. Not more than two of these courses will be given in any half-year.

GREEK

PROFESSOR FOWLER (Absent for the year.)
PROFESSOR FULLER (Absent for the year.)
DR. BILL
MR. LEUTNER, A, 2, 6

A. ELEMENTARY GREEK. White's First Greek Book. The essentials of the grammar. Simple exercises in composition. The reading of selections from Greek prose. Throughout the year.

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1. HOMER. The Odyssey. Two books will be read consecutively and the remainder studied in representative selection and in English translation, with a view to a literary acquaintance with the entire poem. Considerable attention will be given to developing facility in translating at sight. First half-year.

2. ATTIC ORATORS. Selections from Lysias, Isocrates and Demosthenes. Greek rhetoric. Lives of Attic orators. Legislative bodies and law practice in Athens. History of Greece from the beginning of the Peloponnesian war to the death of Philip. Greek Prose Composition. Second half-year.

3. THE DRAMA. Two tragedies; metres and theory of music; lectures on the archæology of the drama (actors, costumes. buildings, etc.) First half-year.

4. Plato's Apology, Crito, and selections from other works. Second half-year.

5. PHILOSOPHY. Seminary work in the Fragments of the Early Philosophers (Diogenes Laertius, de Vitis, Dogmatibus et Apophthegmatibus Philosophorum; Ritter et Preller, Fragmenta Philosophiæ Græcæ), and selections from Plato and Aristotle. First half-year.

6. HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, and other sources of Greek history. Second half-year.

7. ORATORY. Comparative study of speeches of Attic orators. The speeches of Thucydides, etc. First half-year.

8. Aristophanes' Frogs and selected Dialogues of Lucian. History of Greek literature illustrated by selections from authors not hitherto studied in class. Second half-year.

9. DRAMA. The development of Attic drama as exhibited in the extant plays and fragments. First half-year.

10. GREEK PROSE COMPOSITION. An advanced course, the special features of which will be determined by the acquirements and needs of the class. Second half-year.

Courses 5-10 are open only to students who have taken courses 3 and 4, or their equivalent. Not more than two of these courses will be given in any half-year.

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HISTORY

PROFESSOR BOURNE

PROFESSOR PLATNER, 17, 18.

ASSOCIATE PROFESSOR SEVERANCE, 13, 14, 15, 16

DR. ROBERTSON, 1, 5, 6, 9.

DR. BENTON, 3, 4

1. HISTORY OF THE MIDDLE AGES. The Germans and their migrations, the church, Mohammedanism, the mediæval empires, feudal society. Each half-year.

2. HISTORY OF FRANCE, from the end of the Middle Ages to the death of Louis XV. Development of the political and social institutions of the Old Régime. Second half-year.

3. HISTORY OF ENGLAND, from the end of the Middle Ages. The development of English institutions, and the rise of England to the position of a great state. First half-year.

4. HISTORY OF GERMANY, 1494-1786. The Renaissance, the Reformation, the Thirty Years' War, the Rise of Prussia, Frederick the Great. Second half-year.

5. AMERICAN COLONIAL HISTORY, to 1783. The discovery and settlement of North and South America, the growth of the thirteen colonies, and their development towards independence and union. First half-year.

6. HISTORY OF THE UNITED STATES, from 1783 to the close of the Reconstruction period. The development of foreign policy, the growth of the nation, expansion, and the slavery question, etc. Second half-year.

7. FRENCH REVOLUTION, 1789-1799, with introductory studies of the Old Régime. First half-year.

8. EUROPE IN THE NINETEENTH CENTURY, including the Napoleonic period and the successive régimes in France, the reorganization of Germany, the union of Italy, and the general progress of civilization. Second half-year.

9. POLITICAL INSTITUTIONS OF THE UNITED STATES, an historical study of national, state and local administration, of the system of party government and of political problems. Second half-year.

10. EUROPEAN COLONIZATION, the history of geographical discovery and the spread of European civilization, especially since the Renaissance. First half-year.

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In courses 3-10 the work will include wide reading from the literature of the subject, as well as some study of official records and of contemporary writers.

11. Epochs of History. The object is the more careful study of a particular epoch, from the sources and from other writers; for example, the English Reformation, England under the Stuarts, Mediæval France, the beginnings of the Bourbon monarchy, the Lutheran Reformation. First half-year.

12. History and Historical Research. This includes a sketch of the development of the scope of history as a literature, a study of the masters of historical writing, a study of the elements of historical criticism, and practical work in investigation. Second half-year.

Course 11 is open each year to Seniors who have had, in addition to 1, two other courses selected from 2 to 10. Course 12 is open to Seniors who have had 11 or 15.

13. Life in the Middle Ages. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from Mediæval Manuscripts.

14. The Beliefs and Superstitions of the Middle Ages. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on.

15. Special Topics in Mediaeval History. This course will be conducted according to the principles of the seminary method, and aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1904-05 will be "Studies in the Life of Pope Adrian IV."

16. The Reformation. A general survey of the period, introducing the student to the wider literature of the subject. Special attention will be paid to the formative influence which shaped the views of the Reformers. 1904-1905. First half-year.

17, 18. Roman History. A lecture course, covering during the first half-year the period from the founding of the city of Rome to the institution of the Principate, and during the second half-year the history of the Empire to the time of Constantine.

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LATIN

PROFESSOR PERKINS
PROFESSOR PLATNER, 8

1. Livy, Books XXI, XXII; translation at sight and at hearing; the writing of Latin. Collateral reading in Roman History. First half-year.

2. Cicero de Senectute; Plautus (one play); Horace, Satires. Translation at sight and at hearing; the writing of Latin. Second half-year.

Only four of the following elective courses will be given in any half-year:

3. Odes and Epodes of Horace. First half-year.

4. Cicero's Letters. First half-year.

5. Letters of Pliny the Younger. First half-year.

6. Tacitus and Suetonius. Tacitus, Agricola; Annales (Books 1-2, entire; Books 3 and 4, seclections). Suetonius, selections. First half-year.

7. History of Latin Literature (Poetry). Lectures, with reading of typical selections, and direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. First half-year.

8. Lucretius. Second half-year.

9. Catullus. Selections from Tibullus, Propertius and Ovid's Tristia. Second half-year.

10. The Epistles of Horace. The Ars Poetica. Wilkins' Primer of Roman Literature. Second half-year.

11. Roman Comedy. Terence and Plautus. Second half-year.

12. Juvenal and Martial. Second half-year.

13. Latin Rhetoric. Quintilian, Book x; Cicero, De Oratore, Selections. Second half-year.

14. Roman Oratory. Tacitus, Dialogus de Oratoribus, with selections from Cicero. Second half-year.

15. Teachers' Training Course. This course is recommended only for students who have had two years of elective work in Latin. The aim of the course is to give prospective teachers assurance in their work. The course includes lectures on problems connected with the teaching of Latin in secondary schools; practical exercises in the study of the Grammar and the authors read in secondary schools. Second half-year.

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16. Selections from Cicero, de Officiis, and the Tusculan Disputations. Second half-year.

17. SENECA. Selections from (*a*) Prose writings. (*b*) Tragedies. Second half-year.

18. HISTORY OF LATIN LITERATURE. (Prose.) Lectures, with direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. Second half-year.

MATHEMATICS

PROFESSOR PALMÉR

1. TRIGONOMETRY. Jones's Drill Book in Trigonometry. First half-year.

2. ALGEBRA. Hall and Knight's Text-book. Second half-year.

3. PLANE AND SOLID GEOMETRY. Exercises to be solved by the students; Chauvenet's Elementary Geometry. Second half-year.

5. ANALYTICAL GEOMETRY. Loney's Analytical Geometry. First half-year.

6. DIFFERENTIAL CALCULUS. Osborne's Differential Calculus. Second half-year.

7. INTEGRAL CALCULUS. Osborne's Calculus. First half-year.

8. DIFFERENTIAL CALCULUS (advanced course). Harnack's Introduction to the Calculus.

9. ANALYTICAL GEOMETRY (advanced course). Salmon's Conic Sections. First half-year.

10. THEORY OF FUNCTIONS, of a complex variable. Introductory course.

11. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. First half-year.

12. PROJECTIVE GEOMETRY. Second half-year.

13. THEORY OF SUBSTITUTION GROUPS, and its application to algebraic equations.

14. THEORY OF NUMBERS. Elementary course.

Only three elective courses will be offered in any half-year.

MUSIC

MR. CLEMENS

1. HISTORY OF MUSIC. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's

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Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical development and relations of the different periods may be more clearly understood. First half-year.

2. A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and Bach. Substantially the same methods will be followed as in the work of the preceding course. Second half-year.

Those desiring to elect the course in the second term only must possess an adequate knowledge of this subject.

3, 4. HARMONY AND COUNTERPOINT. Throughout the year.

During this college year Mr. Clemens is offering the following course of musical lectures, open to the public:

MUSICAL LECTURES:

MONDAY, NOVEMBER 2, 1903—*Organ Recital. Miscellaneous Programme.*

MONDAY, FEBRUARY 1, 1904—*Organ Recital—The Organ as a Substitute for the Orchestra. Transcriptions from Orchestral Scores.*

MONDAY, MARCH 7, 1904—*Pianoforte Recital, with short Historical Lecture. Part I: Scarlatti, Bach. Part II: Chopin.*

MONDAY, APRIL 4, 1904—*Organ and Orchestra. Part I: Organ Concerto with Orchestral Accompaniment. Part II: The Organ as an Adjunct to the Orchestra.*

MONDAY, MAY — 1904—*Pianoforte Recital, with Short Historical Lecture. Part I: Beethoven. Part II: American Composers.*

PHYSIOLOGY AND HYGIENE

DR. TOWSLEE

1. The instruction consists of weekly lectures illustrated with charts, manikin and skeleton. These lectures embrace the fundamental principles that underlie the promotion of health; the structure and functions of all the organs of the body; the proper exercise and rest of the muscles; the conversion of food into tissues; the importance of always keeping the body supplied with pure blood; ventilation, food and clothing. Special attention is given to the nervous system, including the care of the eyes. First half-year.

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PHILOSOPHY, PSYCHOLOGY AND EDUCATION

PROFESSOR AIKINS.

ASSISTANT PROFESSOR MARVIN.

1. LOGIC. The principles of logic, with practice in definition and the analysis of arguments. Required of Latin-English Sophomores, elective for others. Second half-year.

2. ELEMENTARY PSYCHOLOGY. An outline of the subject, mainly from the physiological and pedagogical standpoints. This course is introductory to all the other work in the department, except Logic. It is open to Sophomores. First half-year.

3. ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

4. INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion, what knowledge is and what we can hope to know, idealism, realism and scepticism; the relation of knowledge to faith.

5. HISTORY OF PHILOSOPHY. Some of the greatest thinkers, and how they looked at life and the world. The same philosophers will not usually be studied in two successive years. Second half-year.

6. ADVANCED COURSE IN PHILOSOPHY. A critical study of some one or two philosophers or of some group of philosophical problems. First half-year.

7. HISTORY AND PRINCIPLES OF EDUCATION. An outline of the history of educational theories and practices, and a study of the meaning and aim of education and the various problems of education itself, such as those of curriculum and method. The course will include a large amount of outside reading. Second half-year.

8. PSYCHOLOGY IN EDUCATION. The course is intended to cover about the following ground. Animals and children: how to study them and what we learn from them. Individual differences: the mental life and education of the blind, the deaf and other defectives. Laws of mental and physical growth. Rhythm, fatigue, and other general relations of mind and body. The training and the breakdown of various mental faculties. Special educational devices and their psychological basis. First half-year.

10. ADVANCED PSYCHOLOGY. Second half-year.

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PHYSICS

PROFESSOR WHITMAN

MR. MILLS.

1A. General contents and text-book as in course 1. For Freshmen entering the Latin-English course. The work is arranged to utilize as fully as possible the preparatory course in Physics. First half-year.

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. LIGHT, ELECTRICITY AND MAGNETISM. Continuation of course 1. Second half-year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics or Preston's Theory of Light, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Second half-year. Alternating with 9.

5. ELECTRICITY AND MAGNETISM. A review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of course 5. Second half-year.

7. MECHANICAL DRAWING.. A course involving the principles of Descriptive Geometry and their application to mechanical drawing, the preparation of working drawings, elementary curve-tracing, etc. Faunce's Descriptive Geometry will be used as text. Second half-year.

9. MECHANICS. The Elements of Applied Mechanics. Text-book: Wright's Elements of Mechanics. Second half-year. Alternating with 4.

10. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to text-books, and a few exercises in the laboratory. Required of Classical and Modern Language Sophomores. First half-year.

11. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary laboratory arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

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12. PHYSICAL EXPERIMENT. Special topics in Physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

13. PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and current physical literature by members of the conference. One meeting weekly.

Courses 11 and 12 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

Course 13 or the weekly exercise under course 11 may be combined with course 12 to count for one three-hour course.

The laboratory fee for course 10 is $2.00; for each of the other laboratory courses, $4.00.

ROMANCE LANGUAGES

MR. BORGERHOFF

FRENCH

1, 2. The essentials of the French grammar with a careful drill in the regular and irregular verbs. Composition and conversation. Reading of easy prose. Throughout the year.

3, 4. A fuller study of the grammar and syntax. Reading of modern novels, short stories and plays. Practice in conversation. Composition based upon texts. French will be spoken prevailingly in this course. Throughout the year.

5a, 6a. Practice in speaking and writing French. This course will be practical. It will consist of original composition, reports in French of short stories, plays, magazine and newspaper articles, free reproduction of good models of style, all of which papers will be criticized orally or in writing. Fragments of speeches or of plays will be committed to memory. French will be spoken exclusively. Open to students who have taken at least courses 1, 2, 3, 4, after consultation with the instructor. Throughout the year.

Courses 1, 2, 3, 4 or their equivalent must precede all others.

Of the following courses not more than two will be given in any half-year:

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5b. THE CLASSIC DRAMA. Lectures on the rise and development of French drama. Interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year, 1903-1904.

6b. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The Decadence of Classic Drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Reading of Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year, 1903-1904.

7. MOLIÈRE. Lectures on the life and times of Molière. Interpretation of the greater comedies.

8. FRENCH LYRIC AND DIDACTIC POETRY. Boileau, La Fontaine, Chénier, Victor Hugo, de Musset, Lamartine. Collateral reading. Essays.

9, 10. MODERN NOVELISTS.. Lectures and recitations. The Romantic School. First half-year. The Realistic School. Second half-year. 1903-1904.

11. SEVENTEENTH CENTURY PROSE CLASSIC. Lectures on French culture, society and prose literature of the seventeenth century. The great preachers and moralists. Jansenism and Port Royal. The French Academy and the Salons. Memoirs and Letter-Writers. Readings from Descartes, Pascal, La Rochefoucauld, La Bruyère. Bossuet, Bourdaloue, Mme. de Sévigné, Mme. de La Fayette, Fénelon, Saint-Simon. Themes and collateral reading. First half-year.

12. EIGHTEENTH CENTURY PROSE CLASSICS. Lectures on the society and culture of the eighteenth century. Break-up of the classic ideals. Growth of the revolutionary spirit. First movements toward romanticism. Voltaire and the Encyclopedists. Rousseau, Diderot, Montesquieu, Le Sage, Bernardin de Saint Pierre. Themes and collateral reading. Second half-year.

13. THE SIXTEENTH CENTURY. The Reformation and the Renaissance. Rabelais, Calvin, Marot, Ronsard and the Pleiade, Montaigne. Readings from Darmesteter and Hatzfield's Le Seizième Siècle en France. Study of the language and syntax of the period. Themes and collateral reading. First half-year.

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14. HISTORY OF OLD FRENCH LITERATURE, with representative readings from Bartsch's Chrestomathie, La Chanson de Roland, and Christian of Troyes. The Mediæval Drama. Second half-year.

15, 16. FRENCH HISTORICAL GRAMMAR. Phonetics, morphology, syntax. Illustrative reading from old French texts. Throughout the year.

17, 18. Outline history of the French Literature. Collateral readings and reports.

ITALIAN

1, 2. GRANDGENT'S ITALIAN GRAMMAR. Reading of modern Italian. Composition. 1904-1905. Throughout the year.

SPANISH

1. ELEMENTARY COURSE. Giese, A First Spanish Book and Reader. First half-year.

2. READING of modern texts. 1903-1904. Second half-year.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the tenth day of June (or after the ninth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the Day of Prayer for colleges, religious exercises are held in the chapel. The exercises of the first half-year begin with prayers in the chapel at ten o'clock.

DEFICIENT WORK

1. All entrance conditions are to be removed before a student is allowed to begin the work of Sophomore year.

2. A student who fails in the work of an elective course is to remove this deficiency, or complete another course as extra work.

3. All conditions incurred at examinations are to be removed at the next examinations held for the same courses; except that all conditions incurred and all work omitted in Freshman year are to be made up before a student is allowed to begin the work of Junior year; and that all conditions incurred, and all work omitted in Sophomore year are to be made up before a student is allowed to begin the work of Senior year; and that all other conditions, and all other omitted work, are to be made up before a student is allowed to begin the work of the second term of Senior year.

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Students are graded in their studies by letters which have value, as follows:

E (excellent)
G (good)
F (fair)
P (pass)
D (deficient)

GRADUATION AND DEGREES

No student will be graduated until she has completed as electives at least one course in either Economics or Philosophy and Psychology and at least one course each in two of the three sciences, Biology, Chemistry and Physics. Students should consult the instructors in the departments concerned as to the best time at which to take these courses.

Juniors and Seniors may diminish the number of their recitations, though not the total amount of their work, three hours a week, by arranging to do extra work in one or more courses.

The degree of BACHELOR OF ARTS is conferred on students who have completed the Classical course which includes the study of the Greek language and literature; the degree of BACHELOR OF LETTERS on those who have completed the Modern Language course, in which modern Languages are substituted for Greek; and the degree of BACHELOR OF PHILOSOPHY on those who have completed the Latin-English course, which differs from the Modern Language course in that an entrance requirement of science and history is substituted for French or German.

LIBRARIES

Hatch Library on the Adelbert College campus, five minutes' walk from the College for Women, is open on equal terms to all members of the University. It is furnished with well-lighted reading rooms, contains about forty-eight thou-

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sand bound volumes and ten thousand pamphlets, and is especially rich in German, French, historical and philosophical literature. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. Students have access to all the books on the shelves. The library is open every day from eight to half-past five o'clock.

For the special convenience of students in the College for Women there is in Clark Hall itself a carefully selected and growing library containing encyclopædias and other books of reference, magazines, duplicates of books in common use, and a considerable number of other works.

A special library in Biblical literature is placed in The Florence Harkness Memorial. This collection is being constantly enlarged by means of funds from the Florence Harkness Foundation.

In addition to these, students may freely use the principal libraries of Cleveland. The Free Public Library contains 205,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art, and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collections readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

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LABORATORIES AND MUSEUMS

BIOLOGY. The laboratory is designed, first, for the study of the biological sciences, especially zoology and botany; second, for containing a biological museum, in the sense of a reference or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and third, for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by herself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The library is good and constantly being increased. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for special investigation.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The

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department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This valuable addition to the scientific apparatus of the University is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

GYMNASIUM

The Gymnasium in Clark Hall is well equipped with all the necessary apparatus, and is under the direction of a graduate of Dr. Sargent's School of Physical Training. Upon entering college each student is examined by a physician and the Director of the gymnasium, and information obtained concerning habits and general health. From this data and the measurements made by the Director, exercise is prescribed to meet the special need of each individual. Exercise in the gymnasium is required three hours a week of Freshmen and Sophomores, and is under the personal supervision of the Director. Students are advised to consult the Director before procuring their gymnasium suits. When the weather permits, work in the gymnasium is replaced by tennis, basket ball, golf, and other games out of doors. Special instruction is given to those who wish it in fencing. Wade Park pond furnishes the students with facilities for rowing and skating.

Two prizes, one of fifteen, and the other of ten dollars, are awarded annually by the President to those Freshmen who, through their gymnastic work, make the greatest progress toward symmetrical development.

To receive these prizes a student must remain in college throughout the Sophomore year.

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GUILFORD HOUSE

Guilford House offers a good home for forty students. It is warmed by hot water, well lighted, and thoroughly ventilated. The rooms are large and fully furnished. The linen for beds and tables is provided, but each student pays fifty cents a month to meet the cost of its laundrying. The charge for other laundry work is fifty cents a dozen. The table is excellent and well served, and the aim of the housekeeping is to make the surroundings as homelike as possible.

The rooms in Guilford House are arranged, for the most part, in suites consisting of a study and two sleeping rooms. The price of board and lodging for each of two students in such a suite is $250 for the college year. This rooming arrangement is earnestly recommended in preference to any other. There are, however, four choice, large single rooms, the price of which is also $250; six smaller rooms for $225 each. There is also one especially desirable suite for two students paying $275 apiece. Any student entering within the first five weeks will be charged from the beginning of the year. If an applicant has had a special room retained for her, and if she fail to occupy it, she will be charged for one-half of a term. Claims for deductions arising from necessary withdrawal are to be adjusted with the Officers. The date of withdrawal of a student is reckoned from the time when the President is informed of the fact by the parent or guardian. It is requested that students make separate payments for their tuition and board. Checks for board should be made payable to Guilford House. One-half the amount is due at the beginning of each term.

HAYDN HALL

Haydn Hall offers a home for twenty-four students and also supplies rooms for the various needs of the student body. The basement contains a locker room and a well-equipped kitchen. The first floor is devoted especially

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to students who reside at their homes in Cleveland. It contains a study room, a lunch room, and a central hall. For social occasions these may be used as one large room. On the second floor are rooms for the use of the four college classes and the alumnæ. The remainder of the second and the whole of the third floor are divided into living rooms for students. The prices of rooms are $250, $225. Checks should be made payable to Haydn Hall. At the time of making application for rooms in either hall of residence, students are requested to make a deposit of $25, which will be counted as an advance payment,

The life in both Guilford House and Haydn Hall is founded upon the desire to give to each student such supervision as earnest and able young women absent from home should receive, and yet to subject no one to unnecessary or annoying restraint. The endeavor of all officers is to make a home in every way suitable for college women.

THE FLORENCE HARKNESS MEMORIAL.

The Florence Harkness Memorial is a Perpendicular Gothic structure in stone and quartered oak. Its character is further indicated by the fact that the windows are from The Tiffany Company and the organ from The Austin Company. The chapel seats about six hundred. Under the same roof are a large lecture room, a library and study for the Biblical work of the college, the endowment of which bears the same name as the chapel.

The religious life of the college, the chapel service, the Young Women's Christian Association and Missionary societies as well as the Biblical instruction therefore centre in this building, which it is believed is as complete as possible and one of the best for its purpose in the land.

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RELIGIOUS WORSHIP

The principles and influences of the College are distinctively Christian, but the College has no formal connection with any particular denomination. A short service is held each morning in the Chapel at a quarter past nine o'clock. All students are expected to be present at this service and on Sunday to attend the services at the churches of their choice. It is desired that as far as possible each student should enter into the life of her church. Sunday Vesper Services are held in the Florence Harkness Memorial throughout the college year. The students carry on a Young Women's Christian Association, the aims of which are to maintain in the College a healthy, progressive Christian spirit and to keep the students in touch with the religious and charitable work of the world.

STUDENT ORGANIZATIONS

The students publish a monthly journal called *The College Folio*. This periodical gives them an opportunity, not merely to record or comment upon the events of the College life, but also to give expression to their literary interests. The College Annual, "Varia Historia," is published by the Junior class.

The student organizations include a Young Women's Christian Association, a Glee Club, a Mandolin Club, a Dramatic Association, an Athletic Association, and several literary and scientific societies.

The conduct of the student body as a whole is largely entrusted to the Students' Association.

CORRESPONDENCE

Letters respecting the admission or dismission of students, requests for catalogues or general information should be addressed to the President of the University or to the Registrar of the College for Women.

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EXPENSES AND BENEFICIARY AID

The charge for tuition and incidentals for each student is $85 per year. In addition to this each student pays a matriculation fee of $5 on entering College. All checks should be made payable to the Treasurer. No charge is made for diplomas. One-half of the charge for tuition is to be paid at the beginning of each half-year; no part will be refunded if the student retain her place in class. In laboratory courses fees are charged to meet the cost of perishable material. The amount in each case is indicated with the description of the courses.

There are certain annual scholarships which are awarded to students of high rank and slender means, by which they are relieved of a portion of the tuition fee of the College. Conference either in person or by letter with the President is invited.

Scholarships are granted annually upon application, but may be withdrawn for cause at the end of one half-year. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, is in the hands of the executive committee, who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

From the Loan Fund certain grants are made to worthy students. The Alumnæ Association has also established a Loan Fund to be used for similar purposes. Students receiving these benefits are expected to maintain their standing in scholarship and to finish their course here. If dismissal to another college is sought, the College dues, including the amounts given or loaned, must first be paid.

The opportunities offered by the College for the higher education of young women of limited means are presented

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to the attention of those who desire to promote such work by the establishment of scholarships for worthy students.

THE HOLDEN PRIZE

Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior or Junior on some subject selected by the department of English. Essays in competition for this prize must be submitted not later than May 15, 1904. The subject for the present academic year is "The Development of the English Essay from Its Beginning to Macaulay."

PUBLICATION FUND

The Francis G. Butler Publication Fund has been established, the income of which is to be devoted to the publication of original researches in the field of American history by professors or students of this College as well as of Adelbert College and the Graduate School.

THE GRADUATE SCHOOL

In the Graduate Department of the University opportunity is given graduates of this and other colleges to pursue courses of study leading to the degrees of A. M. and Ph. D.

For the catalogue of Graduate Courses, address Dean of the Graduate School.

THE LIBRARY SCHOOL

A School for the Training of Librarians has been established in the University by Andrew Carnegie. Its first session will open with the academic year of 1904-05. Information will be given by Wm. H. Brett, Acting Dean.

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DEPARTMENT OF GRADUATE INSTRUCTION

GENERAL STATEMENT.

THE privileges of the Graduate Department are open, without distinction of sex, to graduates of this and other universities and colleges of good standing who present satisfactory evidence of character and scholarship. In exceptional cases, by special permission, other persons of suitable age and attainments may also be received as students.

The work of the department is under the general supervision of an Executive Committee, consisting, this year, of Professors R. W. Deering, H. A. Aikins, and F. P. Whitman. Persons desiring to do graduate work are invited to confer or correspond with any member of this committee.

Applications for admission as graduate students may be received at any time, but should be presented, if possible, at least a month before the beginning of the academic year. This is advisable because books and apparatus for special work must often be imported from Europe. All such applications should be made to the Dean of the Graduate Faculty, and should be accompanied, except in the case of graduates of this university, by diplomas, or such other official certificates as will satisfy the Executive Committee as to the student's character and attainments. Applicants admitted as students must then register with the Dean and file statements of the courses of study they intend to pursue, indicating also the degrees, if any, for which they wish to be candidates. Eligible students who do not wish to apply for higher degrees may be admitted and registered as resident graduates.

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FACULTY AND INSTRUCTORS.

Arranged, with the exception of the President and Dean, in the order of college graduation.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

ROBERT WALLER DEERING, PH. D., *Dean*, The Euclid, 2662 Euclid Av.
Professor of Germanic Languages and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Professor of Latin.

CHARLES HARRIS, PH. D., 787 N. Logan Av.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Professor of Philosophy.

HAROLD NORTH FOWLER, PH. D., Absent for the year.
Professor of Greek.

FRANCIS HOBART HERRICK, PH. D., D. Sc., Absent for the year.
Professor of Biology.

OLIVER FARRAR EMERSON, PH. D., 50 Wilbur St.
Oviatt Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

ABRAHAM LINCOLN FULLER, PH. D., Absent for the year.
Professor of Greek.

HERBERT AUSTIN AIKINS, PH. D., 23 Adelbert Hall.
Professor of Philosophy.

ANNA HELENE PALMIE, PH. B., 48 Mayfield St.
Professor of Mathematics.

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WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Associate Professor of Romance Languages.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Associate Professor of Church History and Instructor in Historical Bibliography.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., The Somerset, Billings Av.
Assistant Professor of German.

CHARLES EDWIN CLEMENS, 1093 Prospect St.
Instructor in the History and Theory of Music.

JOHN DICKERMAN, A. B., 1957 Doan St.
Instructor in Mathematics.

WALTER TAYLOR MARVIN, PH. D., 43 Spangler Av.
Assistant Professor of Philosophy.

ALLYN ABBOTT YOUNG, PH. D., 18 Adelbert Hall.
Instructor in Economics.

CARL BYRON JAMES, B. S., 896 Hough Av.
Instructor in Biology.

ELBERT JAY BENTON, PH. D.,
The Auburn, 3020 Euclid Av., East Cleveland.
Instructor in History.

CHARLES WILLIAM PRENTISS, PH. D., 77 Hilburn Av.
Instructor in Biology.

HOWELL MERRIMAN HAYDN, A. B., 95 Mayfield St.
Associate Professor of Biblical Literature.

JOSEPH LEOPOLD BORGERHOFF, A. M.,
The Auburn, 3020 Euclid Av., East Cleveland.
Instructor in French.

JOHN MILLS, A. B., 81 Mayfield St.
Instructor in Physics.

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STUDENTS

Isabella Beaton, *Cleveland* 462 Kinsman St.
Ph. B., College for Women, Western Reserve University, 1902. 2 year. German.

Lamar Taney Beman, *Cleveland* 29 McConnell St.
A. B., Adelbert College, 1901; A. M., Ohio State University, 1902. 1 year. History.

Matilda Clara Buschman, *Cleveland* 2 Hayward St.
B. L., College for Women, Western Reserve University, 1903. 1 year. German.

Bessie Mildred Chandler, *Cleveland* 894 Case Av.
Ph. B., College for Women, Western Reserve University, 1902. 2 year. Biology.

Franklin Joseph Estabrook, *Collinwood* 300 Mars Av.
A. B., Olivet College, 1886; A. M., 1889; B. D., Oberlin, 1900. 1 year. History.

Francis Florian Herr, *Cleveland* 1276 Scranton Av.
Ph. B., Adelbert College, 1901. 3 year. English.

William Ambrose Kenney, *Cleveland* 143 Cornell St.
B. L., Mount Union College, 1898. 1 year. History, Philosophy, English.

Bertha May Lee, *Cleveland* 71 Tilden Av.
Ph. B., College for Women, Western Reserve University, 1903. 1 year. Chemistry, Physics.

Edward Thomas MacMahon, *Cleveland* 1616 Lorain St.
A. B., Royal University, Belfast, Ireland, 1884. 1 year. History

Jacob Harvey McCartney, *Bedford*
A. B., Hiram College, 1903. 1 year. Economics.

Emma Jean Oram, *Cleveland* 31 Bell Av.
A. B., Woman's College of Baltimore, 1897. 2 year. History.

Edward Maynard Otis, *Willoughby*
Ph. B., Adelbert College, 1903. 1 year. Biology, German.

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Charles Warner Paine, *Cleveland* 692 Prospect St.
B. S., Ohio Wesleyan University, 1897. 1 year. History.

Carroll Adelbert Peabody, *Cleveland* 127 Kinsman St.
B. L., Adelbert College, 1901. 1 year. Mathematics, Physics. Spanish.

Raymond Vincent Phelan, *Cleveland* 698 Bridge St.
Ph. B., Adelbert College, 1902. 1 year. Economics, History, English.

May Cameron Quinby, *Cleveland* Hillcrest, E. Cleveland.
A B., College for Women, Western Reserve University, 1903. 1 year. German.

Hermann Rosenwasser, *Cleveland* cor. Willson and Woodland.
Abiturient, Eperjes, Hungary, 1892. 1 year. Philosophy, German

Albert Clarence Streich, *Cleveland* 801 Willson Av.
A. B., Otterbein University, 1893. 8 year. English, German.

Elizabeth Strong, *Cleveland* 82 Brookfield St.
B. L., Smith College, 1903. 1 year. German.

Jessie Martha Turney, *Painesville* 219 N. St. Clair St.
B. L., College for Women, Western Reserve University, 1899. 2 year. English.

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COURSES OF GRADUATE INSTRUCTION

Courses marked with an asterisk (*) are undergraduate elective courses, but are open to graduate students, with the consent of the instructor and the approval of the Faculty. In such cases graduate students are expected to do extra work under the direction of the instructor. Hours for graduate work will be arranged to suit the convenience of instructor and student.

BIBLICAL LANGUAGES AND LITERATURE

ASSOCIATE PROFESSOR HAYDN

1, 2. *Hebrew Grammar and Reading. An Introductory course. Harper's Elements of Hebrew will be used, with the Old Testament text. Throughout the year.

3. New Testament Greek. Grammar and reading, with especial attention to the development of the New Testament vocabulary. First half-year.

4. New Testament Exegesis. The critical analysis of selected passages or books. Given in Seminar, if desired. Second half-year.

BIOLOGY

PROFESSOR HERRICK (ABSENT FOR THE YEAR)
MR. JAMES
DR. PRENTISS

2. *Zoölogy. Comparative Anatomy of Invertebrates. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. *Zoölogy. Comparative Anatomy of Vertebrates. A comparative study of the principal types of vertebrates. One lecture and two laboratory exercises. First half-year.

5. Zoölogy. Research in Animal Morphology. The assignment of special problems for investigation, with individual instruction and supervision. Laboratory work throughout the year.

6. *Physiology. Elements of the physiology of man and lower animals. Three exercises consisting of lectures, recitations and demonstrations of one hour each. First half-year.

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7. *Elements of Vertebrate Embryology. A practical study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. Animal Behavior. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. First half-year.

10. *Botany. An introduction to the study of plants. Instruction is given by lectures, laboratory and field exercises. Second half-year.

11. Biological Reading Club. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly, from December to May, at times most convenient to all.

The laboratory fees for the different courses are: Course 2, 3, 7, or 10, $5.00; course 5, $5.00 for each half-year.

CHEMISTRY

PROFESSOR MORLEY

ASSOCIATE PROFESSOR GRUENER

ASSISTANT PROFESSOR TOWER.

1. *Organic Chemistry. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

2. Organic Preparations. An equivalent of three laboratory exercises of three hours each, with occasional discussions, for one half-year or the entire year. This course may be taken in conjunction with or as supplementary to course 1.

3. *Inorganic Preparations. This course will deal with the preparation of a number of inorganic compounds, making use of methods inapplicable in the elementary courses. Two laboratory exercises and one recitation. First half-year.

4. *Elements of Quantitative Analysis. Three laboratory exercises of three hours each. Throughout the year.

5. *Physiological Chemistry. Simon's Physiological Chemistry. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. First half-year.

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6. *Physical Chemistry. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year.

Laboratory fees for the several courses are as follows: Course 1 or 3, $5.00; course 2, $10.00; course 4, $6.00; course 5, $3.00; course 6, $2.00.

ECONOMICS

DR. YOUNG

1. Statistics. Theory and method. General survey of the field of economic and social statistics, and the study of important statistical documents, with special attention to the United States census. First half-year.

2. Economic Theory. An historical and critical study of the principal theories of value and distribution. Second half-year.

3. *Money and Banking. The theory of money, the monetary history of the United States, and the principal banking systems of the world. First half-year.

4. *Public Finance. A study of public revenues and expenditures, with special attention to the problems of state and local taxation. Second half-year.

5. *Economic Problems. A brief treatment of socialism is followed by the discussion of labor problems. First half-year.

6. *Modern Industry. This course deals with the social economy of the present. The growth of corporations, the functions of speculation, and the problems of railway transportation are among the subjects discussed. Second half-year.

7. History of Political Thought. The development of political philosophy, with special reference to the theory of the state. First half-year.

9. *Comparative Politics. A comparison of the political institutions of five modern states, viz., the United States, Great Britain, the German Empire, the French Republic, and Switzerland. Second half-year.

10. Economic Conference. Bi-weekly meetings for the consideration of present-day problems and the discussion of current economic literature.

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EDUCATION AND TEACHING

PROFESSOR AIKINS

ASSISTANT PROFESSOR MARVIN

1. HISTORY AND PRINCIPLES OF EDUCATION. A brief historical study of educational theories and practices, followed by a discussion of the history of philosophy and the history of morals; the meaning and aim of education, and the various problems of education itself, such as those of curriculum and method. The course will include a large amount of outside reading. Second half-year.

2. PSYCHOLOGY IN EDUCATION. The course is intended to cover about the following ground. Animals and children: how to study them and what we learn from them. Individual differences: the mental life and education of the blind, the deaf and other defectives. Laws of mental and physical growth. Rhythm, fatigue, and other general relations of mind and body, the training and the breakdown of various mental faculties. Special educational devices and their psychological basis. Second half-year.

ENGLISH

PROFESSOR EMERSON (1-5)

PROFESSOR HULME (6-11)

1. RHETORICAL THEORY. An historical and critical study of rhetorical theory with reference to Greek, Roman, mediæval, and English rhetoricians. Lectures and recitations. A course for those who expect to teach English. Throughout the year.

2. OLD ENGLISH. Lectures on historical and descriptive grammar, with readings from Old English prose and poetry. Special attention to the development of the language. First half-year.

3. MIDDLE ENGLISH. Lectures on Middle English language and literature, with critical reading of selections from prose and poetry. Further development of the language. Second half-year.

4. CYNEWULF AND HIS SCHOOL. The acknowledged poems of Cynewulf will be critically read and examined. This will be followed by a careful reading of the works believed to have been written by Cynewulf, or by those influenced by him. First half-year.

5. THE MIDDLE ENGLISH POETICAL ROMANCE. The sources of the poetical romance of Middle English times and its development on English soil. Lectures and readings. Second half-year.

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6. *The English Novel. The historical development of the English novel. Lectures and recitations. Manual: Cross's devel opment of the English novel. First half-year.

7. The Non-Dramatic Poetry of the Sixteenth and Early Seventeenth Centuries. This course will include special study of Spencer and Milton, with lectures, select reading and papers. First half-year. Omitted 1904-5.

8. English Literary Criticism. Lectures on the development of English literary criticism from the sixteenth century to the present time. Selections from the critical essays of Dryden, Addison and Steele, Johnson, Coleridge, Lamb, DeQuincey, Leigh Hunt, Hazlitt, Christopher North, Landor, Carlyle, Macaulay, Matthew Arnold and others. Original papers. First half-year. Omitted 1904-5.

9. *English Poetry, 1830-1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, with some attention to other poets of the period. Lectures, reports, and class-room discussions. A considerable amount of reading will be required, and a much larger amount recommended. First half-year, 1904-5.

10. *English Prose, 1830-1880. Carlyle, Ruskin, Macaulay, Emerson, Matthew Arnold, George Eliot, Hawthorne, Thackeray, with some attention to other prose writers. The course will be conducted by much the same method as course 9. Second half-year, 1904-5.

11. *Shakespeare and the Jacobean Drama. All of Shakespeare's plays, and some of the best Jacobean plays will be read, and a course of lectures will be given discussing the development of Shakespeare's art from a historical point of view. Second half-year.

GERMANIC LANGUAGES

PROFESSOR DEERING (1-7)

PROFESSOR HARRIS (8-9)

ASSISTANT PROFESSOR MEYER (10-15)

1. Gothic. Introduction to Germanic Philology—aims, means, methods; Gothic Grammar (Braune); Readings from Wulfila's Bible; Skeireins and other Fragments; Germanic Phonology. First half-year. *Or,*

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2. OLD GERMAN LITERATURE. Critical study of the history of the older German literature from the beginning to the Reformation. Lectures and parallel readings. First half-year.

3. OLD GERMAN LIFE. A study of Old German life, customs, culture, and institutions, using for reference the texts of Schultz, Scherr, Hirth, Freytag, Biedermann, etc. Special reports on assigned topics. Second half year. *Or,*

4. OLD HIGH GERMAN. Old High German Grammar and Reader (Braune). Readings from Tatian, Notker, Otfrid, Williram. Special study of Old High German dialects, with illustrative readings. Second half-year.

5. GERMANIC MYTHOLOGY AND LEGENDS. Study of Germanic Mythologie und Heldensage. Lectures and reports. Second half-year, 1904-5.

6. *FAUST. Lectures on the development of the Faust legend, with parallel readings from the most important Faust literature; critical study of Goethe's Faust. First half-year.

7. MIDDLE HIGH GERMAN. Grammar (Paul). Selections from the Nibelungen, Gudrun, Walther, Wolfram, Hartmann, Gottfried. Throughout the year, 1904-5.

8. *HISTODY OF GERMAN LITERATURE. Outline history of German literature from the earliest times to the present; Development of Lyric, Epic, Drama; Illustrative parallel readings. Throughout the year.

9. *MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc. Throughout the year.

10. THE OLDEST GERMANIC POETRY. Rapid reading and comparison of Beowulf, Widsith, the Eddas and Volsunga Saga, the Hildebrandslied and Muspilli. First half-year.

11. THE GERMANIC RELIGIOUS EPICS. Comparative study of Cædmon, Otfrid, and the Heliand. Second half-year.

12. THE COURT EPIC. Reading of Wolfram's Parzival with lectures on Heinrich von Veldeke, Hartmann von Aue, Wolfram von Eschenbach, and Gottfried von Strassburg. First half-year.

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13. THE POPULAR EPIC. Reading of the Nibelungenlied and Gudrun, with lectures on the six saga-cycles (Franconian, Burgundian, Hunnish, Ostrogothic, Lombardic, and Norman-Saxon). Second half-year.

14. GRILLPARZER. Study of Sappho, Des Meeres und der Liebe Wellen, Wehe dem der Lügt, Das Goldene Vliesz (in part), and die Jüdin von Toledo with lectures on the relation of Grillparzer's art to that of Shakespeare, Lope de Vega, Alfieri, Goethe, and Schiller. Second half-year.

15. THE GERMAN SOCIAL DRAMA OF TODAY. In its relation to that of the French, Belgian, Norse and Russian. Reading of Sudermann and Hauptmann, the younger Dumas and Sardou, Mæterlinck, Björnson and Ibsen, Tolstoi. Second half-year.

GREEK

PROFESSOR FULLER (1-2).

PROFESSOR FOWLER (3-4). (Absent for the year.)

1. *ATHENIAN DRAMA. Selected dramas of Euripides, Sophocles, and Æschylus. This course will aim to promote a careful comparison of the methods and spirit of the three great tragedians. Some of the more unusual idioms and the more prominent questions of text-criticism will be discussed. First half-year.

2. *PHILOSOPHY. Fragments of the pre-Socratic philosophers (Diogenes Laertius, de Vitis, Dogmatibus et Apophthegmatis Philosophorum; Ritter et Preller, Historia Philosophiæ Græcæ), and selections from Plato and Aristotle. First half-year.

3. *ARCHAEOLOGY. Extracts from the description of Olympia in Pausanias will be read and discussed, with full illustration from the great excavations, and a topical study of architecture and sculpture will be pursued. The object of this course is to acquaint the student with the great monuments of art, and to stimulate the faculty of independent observation and criticism. Second half-year.

4. *HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, the Historicorum Græcorum Fragmenta, and other sources of Greek history. Second half-year.

These courses may be taken as minors only when they are being given to an undergraduate elective class. Special graduate courses adapted to the needs and acquirements of the applicant may be arranged by conference. All of these courses will be omitted in 1903-4.

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HISTORY

PROFESSOR BOURNE (1-3)

DR. BENTON (4-5)

ASSOCIATE PROFESSOR SEVERANCE (12-18)

1. *MODERN EUROPEAN HISTORY SINCE 1789. The French Revolution as a social and political movement, the Empire, the growth of the national movements in Germany and Italy, industrial and social changes, the development of the democratic spirit, will be the subjects chiefly investigated. Throughout the year.

2. CHURCH AND STATE IN FRANCE since the French Revolution, with special emphasis upon the struggle for the control of education. First half-year.

3. THE FINANCIAL AND ECONOMIC LEGISLATION OF FRANCE during the Revolution and the Consulate. Second half-year, 1904-5.

4. HISTORY OF ENGLAND UNDER THE STUARTS. Study of Constitutional Documents. First half-year.

5. HISTORY OF ENGLAND SINCE THE REVOLUTION OF 1688. Together with a study of English Political Institutions of the present day. Second half-year.

11. THE REFORMATION. A general survey of the period, introducing the student to the wider literature of the subject. Special attention will be paid to the formative influences that shaped the doctrinal views of the reformers. Second half-year.

12. *CHURCH HISTORY OF THE FIRST SIX CENTURIES. Especial attention will be devoted to the Patristic Literature and to the Doctrinal Controversies that rent the Church.

13. *CHURCH HISTORY OF THE MIDDLE AGES. The external history of the Papacy will be traced, and emphasis will be laid on the organization and administration of the Church and of the monastic bodies and on the scholastic philosophy.

14. *MODERN CHURCH HISTORY. The period of Confessional Orthodoxy, Methodism, the Missionary Movement, and the Vatican Council are amongst the topics discussed.

15. *LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from mediæval manuscripts.

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16. *The Beliefs and Superstitions of the Middle Ages. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. Second half-year (1904-5).

17. Special Topics in Mediaeval History. This course will be conducted according to the principles of the seminary method, and aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1904-5 will be "Studies in the Life of Pope Adrian IV." First half-year (1904-5).

18. *Historical and General Bibliography. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work. Second half-year.

LATIN

PROFESSOR PLATNER (1)

PROFESSOR PERKINS (2-6)

1. The Elective Courses in Latin in Adelbert College are open to graduate students.

2. *Roman Satire. (a) Lectures on the beginnings of satire, the history of its development, and its influence on later writers. (b) A course of reading in Lucilius, Horace, Persius, Juvenal, and Martial. First half-year.

3. Roman Lyric and Elegiac Poetry. A course of reading covering the chief works in each of these divisions. First half-year.

4. Latin Prose Composition. An advanced course, adapted to the acquirements and needs of the class. Second half-year.

5. History of Latin Literature. Lectures, with reading of typical selections, and direction of the student's private reading. Throughout the year.

6. Cicero's Letters. Lectures on the history of the period. Students will do critical work on various points in this correspondence and present reports. Second half-year.

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MATHEMATICS

PROFESSOR SMITH (1)

PROFESSOR PALMIE (2-6)

MR. DICKERMAN (1)

1. The elective courses in Mathematics in Adelbert College are open to graduate students.

2. HIGHER PLANE CURVES. General properties of algebraic curves; multiple points and tangents; poles and polars; envelopes, reciprocal curves, tact-invariant of two curves; caustics, parallel curves and negative pedals; metrical properties. Salmon's Higher Plane Curves. First half-year.

3. THEORY OF FUNCTIONS. General Theory of Functions. Second half-year.

4. DIFFERENTIAL EQUATIONS. Equations of the First Order; linear equations with constant coefficients; miscellaneous methods; Legendre's Equation; Bessel's Equation; Forsythe's Differential Equations. First half-year.

5. *PROJECTIVE GEOMETRY. Lectures on parallel projections; perspective; homology; vanishing points and lines; projective figures; cross ratios; harmonic ratios; projective ranges and pencils; conic involution; conjugate points and lines; reciprocal figures; centers and diameters; foci and directrices. Second half-year.

6. THEORY OF SUBSTITUTIONS. General Theory of Substitutions with applications to the solution of cubic and biquadratic equations. First half-year.

MUSIC

MR. CLEMENS

(Special arrangements must be made for work in this department.)

1. *HISTORY OF MUSIC. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical development and relations of the different periods may be more clearly understood. First half-year.

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2. *A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and Bach. Substantially the same methods will be followed as in the work of the preceding course. Second half-year.

Those desiring to elect the course in the second term only must possess an adequate knowledge of this subject.

3, 4. *HARMONY AND COUNTERPOINT. Throughout the year.

PHILOSOPHY

PROFESSOR CURTIS

PROFESSOR AIKINS (10-13)

ASSISTANT PROFESSOR MARVIN

1. GREEK PHILOSOPHY AND ITS RELATION TO THE RISE OF CHRISTIANITY. A review of the rise and trend of philosophic thought among the Greeks and Romans from about 600 B. C. to 500 A. D. The main points kept in view are: (a) how the early philosophers treated the problems of life and mind, and (b) how their treatment of these problems is related to the rise and development of Christian Doctrine. The works of Zeller, Marshall, Grote, Jowett, Ueberweg, Heinze, Ritter, Harnack, and Hatch are among the references. First half-year.

2. BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations, and private readings. The purpose of this course is to acquaint the students with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treatise of Human Nature. The course will bring forward the main problems of Modern Philosophy. Such features as are specially prominent today will be indicated and outlined. Among the general reviews of this period mention may be made of Morris' British Thought and Thinkers, Fraser's Selections from Berkeley, and Grimm's Zur Geschichte des Erkenntnisproblems von Bacon bis Hume. First half-year.

3. THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Selections from the following parts of his work are thus examined: First Principles, The Principles of Biology, The Principles of Psychology, and The

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Principles of Sociology. Lectures will be given with the aim of showing the historical development and present condition of evolutional thought. Digests and critical essays will be required for the purpose of bringing into prominence the main questions of Cosmology. The more important handbooks for this study are Spencer's First Principles, and Collins' An Epitome of the Synthetic Philosophy. Second half-year.—*Or*,

4. THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Critique of Pure Reason will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysics of Morality, the Critique of Practical Reason, and the Critique of Judgment. For this course some knowledge of German is advantageous. Second half-vear.

6. ADVANCED ETHICS. Presupposes the undergraduate work in Psychology, Logic, Ethics and Introduction to Philosophy. The work is conducted by seminary methods in abstracts and discussions. Throughout the year.

7. THEORY OF SOCIETY. This course will be given to lectures throughout the year in two parts. (a) A theory of society based upon anthropology, (b) a study of the institutions of society based upon a theory of society. The second part is a practical illustration of the first part.

8. ADVANCED LOGIC AND LOGICAL METHODS. This course will include a careful study of Sigwart's Logic in connection with other important German and English works on that subject. Throughout the year.

9. METAPHYSICS. The main problems of systematic Metaphysics will be studied in connection with the reading of some recent writings belonging to this part of philosophy. Throughout the year.

10. *ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

11. *INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion. Knowledge: what it is and what we can hope to know; idealism, realism and scepticism; the relation of knowledge to faith. Second half-year.

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12. *Advanced Psychology. Mainly from the physiological standpoint. Second half-year.

13. History of Philosophy. The course can be made to cover a period or confined to the work of some single philosopher, according to the preparation and interests of the students who elect it. Either half-year.

For other courses, see Education and Teaching.

PHYSICS

PROFESSOR WHITMAN.

MR. MILLS.

1. *Physical Optics. Preston's Light, with lectures and laboratory work. Two hours a week, and one laboratory exercise. First half-year.

2. *Theory of Heat. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Three hours a week. Second half-year.

3. *Electricity and Magnetism. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. Throughout the year.

4. Physical Experiment. This course involves detailed study. theoretical and experimental, of selected topics in Physics. The amount of time to be given to the work is arranged with each individual student.

5. *Physics Conference. Lectures on selected topics. Reports and discussion on special subjects and on current physical literature by members of the conference. One meeting, weekly.

A knowledge of the elements of the Calculus is necessary for courses 1, 2, 3 and 4.

The laboratory fee for courses 1, 2, 3 and 4 is $4.00 for each half-year.

ROMANCE LANGUAGES

PROFESSOR BOURLAND (1-2)

MR. BORGERHOFF (3-5)

No courses are, at present, offered primarily for graduates. The following undergraduate courses are open to graduate students:

1. Italian. Dante's Purgatorio and Vita Nuova. Second half-year, 1904-5.

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2. SPANISH. SPANISH LITERATURE OF THE XIX CENTURY. Second half-year.

3. FRENCH. THE CLASSIC DRAMA. Lectures on the rise and development of the French classic drama, with interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year.

4. FRENCH. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The decadence of the classic drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Readings from Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year.

5. FRENCH. MODERN NOVELISTS. Lectures and recitations. The romantic school. First half-year. The realistic school. Second half-year.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first-half year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the first Saturday in February. The second half year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the 10th day of June (or after the ninth in years in which February has twenty-nine days). No exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

METHODS AND LIBRARY FACILITIES

Instruction is given by lectures, seminaries, recitations, and conferences with instructors, by specially directed courses of reading or research, by work in laboratories, etc.

The library facilities available are: (1) Hatch Library (about 57,000 books and pamphlets), with a very full periodical list, with good collections, especially in French literature, classical philology, archæology, and history, and unusually well equipped in Germanic philology and literature, including the library (12,000 vols.) of the late Prof. Wilhelm Scherer of the University of Berlin; (2) Library of the College for Women, a small, well selected collection for general work; (3) the Case Library (50,000 vols.) well supplied with periodicals and general literature, and offering excellent facilities for the study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany; (4) the Cleveland Public Library (150,000 vols.), well supplied with Shakesperiana, with modern literature, with works on history, art, education, and archæology.

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DEGREES

The degrees conferred by the Trustees, on recommendation of the Graduate Faculty, are MASTER OF ARTS and DOCTOR OF PHILOSOPHY. The degree of Master of Arts will be conferred on accepted candidates who shall have pursued successfully, in residence and under the direction of the Faculty, advanced courses of liberal study equal in amount to the work of one collegiate year—ordinarily the equivalent of four courses aggregating twelve hours a week. These courses must be divided among at least three different subjects. Detailed information regarding courses of study may be obtained from the Dean of the Faculty. The degree will also be conferred without residence, upon graduates of the class of 1893 or before, of Adelbert College or the College for Women, provided the candidate sustain satisfactory examination in the courses prescribed, and submit either a thesis on a subject assigned or other sufficient evidence of fitness to receive the degree—such as printed essays.

The degree of Doctor of Philosophy will be conferred only on persons who have previously received a Bachelor's degree either from this or from some other university or college of good standing. The candidate must have pursued courses of advanced study, mainly of university as distinguished from college grade. He must have shown special ability in one branch of study (major) and high attainments in two other branches (minors), as determined by written or oral examinations or both. The candidate must have submitted to the Graduate Faculty a thesis, which shall be accepted as evincing powers of research and independent investigation. After its acceptance he must deposit at least fifty copies of his thesis, printed either in full or in abstract as may be required, with the Dean of the Graduate Faculty. The degree will be granted to no one who does not possess

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a good reading knowledge of French and German and, unless specially excused, of Latin. The degree is not given merely for faithful study of courses taken or text-books assigned, but as evidence of special ability in some chosen field; hence no definite term of study can be specified. Ordinarily at least two years are necessary and often a longer time is advisable. Part of this time may be spent in advanced study at some other institution of high standing in this country or abroad; the last year, at least, must be spent in residence here.

In cases where the undergraduate courses already taken are not equivalent to those given in this university, or where, for any reason, previous preparation is inadequate, students must do additional undergraduate work or prolong the term of graduate study, as may be required, before receiving higher degrees.

EXPENSES

The regular fee for instruction for each graduate student is eighty-five dollars a year. This does not include special laboratory fees, which vary with the courses concerned.

A limited number of scholarships has been established and will be awarded upon presentation of satisfactory evidence of scholarly ability. The recipients of these scholarships may be called upon to render service to the university.

THE FRANCIS G. BUTLER FUND

The Francis G. Butler Publication Fund is available to graduate students for the publication of the results of original research in the field of American history.

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THE MEDICAL COLLEGE

GENERAL STATEMENT

THE Medical Department of the Western Reserve University was organized, in 1843, as the Cleveland Medical College, a branch of Western Reserve College. The first Faculty contained the names of Drs. John Delemater, Jared P. Kirtland, Noah Worcester, Horace A. Ackley, John Lang Cassels, and Samuel St. John, names widely known in medicine. The first class graduated in 1844. The requirements for graduation were three years study of medicine, including two terms of attendance on medical lectures, each term extending over a period of sixteen weeks, together "with good moral character." The old college building was erected in 1844, on the present site, at the corner of St. Clair and Erie Streets. This ground has since been continuously occupied for medical college purposes. The length of the course remained sixteen weeks until 1868, when it was increased to seventeen weeks. In 1871 the course was increased to twenty weeks. In 1875 the old Cleveland City Hospital, with its fifty-nine beds, the predecessor of the Lakeside Hospital, was first utilized for clinical purposes. In 1878 the length of the course became twenty-four weeks. In 1881 Charity Hospital, with about seventy-five beds, together with its Maternity Department, was added as a clinical field. In 1887 the present commodious college building was first occupied; in the same year a preliminary examination was for the first time instituted. In 1888 the length of the course was increased to six months, and the number of the required courses to three. In the

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same year laboratory work in Chemistry and Pathology was made obligatory. An optional four-year course was adopted in 1895, and was made obligatory in the following year. In 1895 the length of the course was increased to eight months; at the same time practical work in the laboratories of Histology, Bacteriology and Physiology, was added as a part of the required work. In 1896 the right to use the present City Hospital for clinical purposes during four months in the year was acquired. In January, 1898, the new Lakeside Hospital was formally occupied, and the new chemical laboratory was erected. At the same time laboratory instruction in Pharmacology was added as one of the required courses of the curriculum. In 1900 the new laboratory of Clinical Microscopy and Clinical Medicine was erected, and in 1901 it was fully equipped. In 1901, by unanimous recommendation of the Medical Faculty and by vote of the Trustees, the requirements for admission to the first year of the Medical College were increased to include the work of the Junior year in an academic institution of recognizeed collegiate rank. The rapid development of the curriculum in this school in these late years has been possible only through the generous financial assistance of its many friends, to whom the Medical Faculty thus desires to make public acknowledgement. The graduates of the Medical College now number two thousand, two hundred and eighty-four.

The course of study for the degree of Doctor of Medicine is now of four years duration. The school year or session begins on the first of October, unless this falls on Sunday, in which case it begins on the second, and continues eight months. Theoretical and applied branches of study are graded, and arranged with reference to their bearing upon and preparation for each other, and the effect of the whole course. Instruction is given by lectures, recitations, quizzes, laboratory work, clinical demonstrations, clinical conferences and practical dispensary and bedside work. Endowment

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of the chairs of Anatomy, Histology, Bacteriology, Physiology, Pathology, Pharmacology, and Clinical Microscopy, permits the employment of teachers who devote all of their time to teaching and research in this college. The buildings are modern in plan, construction and equipment, and ample in size for their purposes. In the subjects of Anatomy, Physiology, Histology, Embryology and Comparative Anatomy, Bacteriology, Pathological Anatomy, Pharmacology, and Clinical Microscopy, laboratory work accompanies the didactic instruction, and is required of every student. In the Senior class every student is required to do practical work in the Dispensaries, at the bedside in the hospitals, and in the obstetrical wards.

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FACULTY

CHARLES FRANKLIN THWING, D. D., LL. D. 55 Bellflower Av.
President.

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.
Professor of Therapeutics.

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.
Professor of Obstetrics and Pediatrics.

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.
Professor of Medicine and Clinical Medicine.

JOHN P. SAWYER, A. M., M. D., 536 Rose Building.
Professor of Medicine and Clinical Medicine.

WILLIAM T. CORLETT, M. D., L. R. C. P. (London), 553 Euclid Av.
Professor of Dermatology and Syphilology.

HENRY S. UPSON, A. B., M. D., New England Building.
Professor of Neurology.

GEORGE C. ASHMUN, M. D., 794 Republic St.
Professor of Hygiene and Preventive Medicine,
Registrar and Bursar.

DUDLEY P. ALLEN, A. M., M. D., 278 Prospect St.
Professor of the Theory and Practice of Surgery and Clinical Surgery

BENJAMIN L. MILLIKIN, A. M., M. D., 278 Prospect St.
Professor of Ophthalmology,
Dean and Executive Officer of the Faculty.

CARL A. HAMANN, M. D., 661 Prospect St.
Professor of Anatomy.

FRANK E. BUNTS, M. D., 275 Prospect St.
Professor of the Principles of Surgery and Clinical Surgery.

HUNTER ROBB, A. B., M. D., 702 Rose Building.
Professor of Gynecology.

WILLIAM T. HOWARD, JR., M. D., 88 Dorchester Av.
Professor of Pathology, Pathological Anatomy and Bacteriology.

EDWARD F. CUSHING, PH. B., M. D., 1160 Euclid Av.
Professor of the Diseases of Children.

CHARLES F. HOOVER, A. B., M. D., 702 Rose Building.
Professor of Physical Diagnosis.

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GEORGE W. CRILE, PH. D., M. D., 169 Kensington Av.
Professor of Clinical Surgery.

J. J. R. MACLEOD, M. B. (Aberd.), D. P. H. (Camb.), 54 Collins Place.
Professor of Physiology.

WILLIAM H. HUMISTON, M. D., 536 Rose Building.
Associate Professor of Gynecology.

TORALD SOLLMANN, M. D., 102 Handy St.
Associate Professor of Pharmacology and Materia Medica.

FREDERICK C. WAITE, A. M., PH. D. (Harvard), 77 Hillburn Av.
Assistant Professor of Histology and Embryology.

JOHN M. INGERSOLL, A. M., M. D., 50 Euclid Av.
Assistant Professor of Otology, Rhinology and Laryngology.

WILLIAM R. LINCOLN, M. D., 210 Lennox Building.
Assistant Professor of Otology, Rhinology and Laryngology.

L. W. LADD, A. B., M. D., The Montana, Hayward and Prospect.
The Leonard Hanna Lecturer on Clinical Miscroscopy.

ROGER G. PERKINS, A. B., M. D., 1527 Euclid Av.
Lecturer on Bacteriology and Assistant in Pathology.

HENRY A. BECKER, A. M., M. D., 105 Lennox Building.
Lecturer on Fractions and Dislocations.

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.
Instructor in Surgery.

DEMONSTRATORS

HENRY A. BECKER, A. M., M. D., 105 Lennox Building.
Demonstrator of Surgery.

WILLIAM E. BRUNER, A. M., M. D., 514 New England Building.
Demonstrator of Ophthalmology.

WILLIAM O. OSBORN, B. L., M. D., 275 Prospect St.
Demonstrator of Medicine.

WALTER H. MERRIAM, PH. B., M. D., 275 Prospect St.
Demonstrator of Medicine.

FREDERICK C. HERRICK, A. B., M. D., 367 Erie St.
Demonstrator of Surgery.

CHARLES E. BRIGGS, A. M., M. D., The New Amsterdam.
Demonstrator of Surgery.

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Demonstrator of Nervous Diseases.

OSCAR T. THOMAS, M. D., 85 Edgewood Pl.
Demonstrator of Gynecology.

EDWIN B. SEASON, M. D., 2238 Euclid Av.
Demonstrator of Medicine.

GEORGE W. MOOREHOUSE, M. L., M. D., 842 Logan Av.
Demonstrator of Medicine.

JOHN S. TIERNEY, M. D., 532 Rose Building.
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ROBERT H. SUNKLE, A. B., M. D., Pearl St. and Clark Av.
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RUSSELL H. BIRGE, A. B., M. D., 260 Euclid Av.
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EDWARD P. CARTER, M. D., 260 Euclid Av.
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JOHN A. SIPHER, A. B., M. D., Suite 7, The Radcliffe.
Demonstrator of Pathology.

OSCAR SCHULZ, A. B., M. D., Charity Hospital.
Demonstrator of Pathology at Charity Hospital.

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JOHN C. DARBY, A. B., M. D., 207 Osborn Building.
Demonstrator of Medicine.

CHARLES DICKENS WILLIAMS, M. D., 717 Rose Building.
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C. M. HOLE, M. D., 300 Cedar Av.
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CHARLES DICKENS WILLIAMS, M. D., 717 Rose Building.
Assistant in Gynecology at Lakeside Hospital Dispensary.

THOS. J. TAYLOR, M. D., 2153 Superior St.
Clerk of Medical College.

ANDREW FLOWER, Erie and St. Clair Sts.
Prosector and Curator Anatomical Rooms.

MRS. FLOWER, Erie and St. Clair Sts.
Janitress.

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STUDENTS

FOURTH YEAR

Samuel Sylvester Berger,	*Cleveland,*	173 Forest St.
John Joseph Lincoln Bolden,	*Cleveland,*	25 Newton St.
John Henry Brett,	*Cleveland,*	34 Ocean St.
Shepard H. Burroughs,	*Northfield,*	11 Cheshire St.
Albert Emmons Connell,	*Cleveland,*	16 Dunham Pl.
John Buchanan Donaldson,	*Lorain,*	154 N. Perry St.
Henry George Golden, A. B.,	*Cleveland,*	3425 Euclid Av.
Isadore Jacob Goodman,	*Cleveland,*	264 Columbus St.
Albert Thomas Grills,	*Elyria,*	17½ Williams St.
Ardon Philo Hammond,	*Cleveland,*	984 Scovill Av.
Frank Carlton Hoskins,	*Grd. Rapids, Mich.,*	38 Wilbur Av.
Frank Hasson Ikirt,	*East Liverpool.*	
Foster W. Jackson,	*Warren,*	Hotel Beverly.
Perry Firestone King, B. S.,	*N. Georgetown,*	792 Superior St.
Emanuel Manny Koblitz,	*Cleveland,*	183 Kennard St.
Wade Allison Lewis,	*Galion.*	
Carl Henri Lenhart, Ph. B.,	*Wauseon,*	1234 Oakdale St.
George Washington Magargee,	*Pardoe, Pa.*	
Russell Hunter McClure,	*Elyria,*	53 Holyoke Pl.
Sidney Morrill McCurdy,	*Andover, Mass.*	
R. M. Manley, B. S.,	*Garrettsville.*	
Karl Elmer Ochs,	*Kenton,*	1103 Central Av.
Nicholas Aloysius O'Connor,	*Cleveland,*	224 Starkweather Av.
Charles Trumbo Pankhurst,	*Fostoria,*	117 Chestnut St.
D. Nevin Sandoe,	*Columbus,*	53 Holyoke Pl.
Fred M. Sayle,	*Cleveland,*	1499 Cedar Av.
William Arthur Schlesinger,	*Cleveland,*	129 McBride St.
Ralph Henry Sill,	*Millersburg,*	53 Holyoke Pl.
Demba Morton Spicer,	*La Grange,*	2370 Crosby St.
John Alfred Staral,	*Cleveland,*	1251 Willson Av.
Harry Minch Tarr,	*Cleveland,*	193 Clinton St.
Jesse Eugene Thompson,	*Bristolville,*	168 Crawford Rd.
Bert Emerson Tyler,	*Cleveland,*	51 Daisy Av.
John Henry Wells,	*Glenville,*	121 Lonsdale Av.
Michael Cyrillus Yeagle, Ph. B.,	*Clyde,*	815 Parkwood Av.
Harvey Elmer Yoder,	*North Industry,*	1103 Central Av.
Samuel Alexander Young,	*Cleveland,*	2370 Crosby St.
William Otto Ziemer,	*Cleveland,*	34 Woodbridge St.

FOURTH YEAR, 38.

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THIRD YEAR

Newton S. Banker, A. B., Ohio Normal University.	*Canton,*	739 Superior St.
Arthur M. Cheetham,	*Cleveland,*	805 E. Madison Av.
Ernest Harper Cox, B. S., Wabash College.	*Cleveland,*	513 E. Prospect St.
Egbert Frank Davis, Ph. B., Baldwin University.	*Galion,*	124 Handy St.
Claude Leroy Difford, A. B., Adelbert College.	*Cleveland,*	49 Alum St.
Norman William Ingalls, B. S., Baldwin University.	*La Grange,*	9 Dodge Ct.
Everton Jay Lawrence, A. B., Williams College.	*Norwalk,*	413 The Ellington.
William Palmer Lucas, A. B., Wooster University.	*Cleveland,*	49 Idlewood Av.
John Roy McDowell, A. B., Adelbert College.	*Medina,*	Suite 41, The Cary.
Joseph Charles McFate, A. B., Grove City College.	*Cochranton, Pa.,*	739 Superior St.
Roger Harrison Miller, Ph. B., Hiram College.		Garrettsville.
George Ovando Pay,	*Cleveland,*	118 Whitney St.
Edward Peterka, A. B., Adelbert College.	*Cleveland,*	51 Goethe St.
J. Douglas Pilcher, Ph. B., Adelbert College.	*Cleveland,*	54 Auburndale Av.
Fred Jacobs Ritterspach, A. B., Wittenberg College.	*Nevada,*	413 The Ellington.
James Seliskar,	*Cleveland,*	13 Wageman St.
Shandor Harry Solomonson, B.S., Case School of Applied Science.	*Cleveland,*	1022 Case Av.
Edward von den Steinen, Training School, Springfield, Mass.	*Cleveland,*	883 Central Av.
Oliver Arkenburg Weber, Ph. B., Adelbert College.	*Miamisburg,*	Suite 41, The Cary.
Arthur Garfield Wilcox, Ph. B., Adelbert College.	*Akron,*	117 Dodge St.

THIRD YEAR, 20.

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SECOND YEAR

Francis Patrick Corrigan, A. B., *Cleveland,* 66 Gorman Av.
Adelbert College.

Arthur Bradley Eisenbrey, Ph.B., *Cleveland,* Suite 41, The Cary.
Adelbert College.

Birt Eugene Garver, B. L., *Lorain,* Suite 41, The Cary.
Adelbert College.

John Allen Hofmann, Ph. B., *Cleveland,* 161 Putnam St.
Wooster University.

Malcolm Acton Laughbaum, A.B., *Bucyrus,* Lakeside Hospital.
Oberlin College.

Luman Gordon Moore, Jr., A. B., *Kinsman,* 446 Euclid Av.
Leland Stanford.

Homer Fordyce Swift, Ph. B., *Beaver Falls, Pa.,* 41 The Cary.
Adelbert College.

George Franklin Thomas, A. B., *Akron,* 192 Erie St.
Adelbert College.

Frank Walter Vincent, A. B., *Oberlin,* Hiram House.
Oberlin College.

Andrew Robert Warner, A.B., A.M., *Pulaski, N.Y.,* 739 Hough. Av.
Hamilton College.

Robert Franklin Wenger, A. B., *New Philadelphia,* 50½ Davenport
Calvin College.

Henry Klar Yaggi, B. S., *Beloit,* 314 Dunham Av.
Mt. Union College.

SECOND YEAR, 12.

FIRST YEAR

Jens Anderson, *Cleveland,* 710 E. Prospect St.
Keuka College.

Benjamin Clyde Barnard, Ph. B., *Wooster.* 190 Central Ave.
Wooster University.

Clyde Lothidge Cummer, *Cleveland,* 396 Bolton Av.
Senior, Adelbert College.

John King Gamble, B. S., *New Wilmington, Pa.,* 161 Sibley.
Westminster College.

Russell Arthur Jewitt, *Cleveland,* 403 Sibley St.
Ohio Wesleyan University.

Ernest Aaron Loewinger, *Cleveland,* 390 Scovill Av.
Gymnasium of Papa, Hungary.

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Edmonde De Witte Neer, Senior. Adelbert College.	*De Graff,*	127 Murray Hill Av.
John Harland Rush, B. S., Princeton.	*Waterloo, Ia.,*	University School.
Earl Frederick Smith,	*Lorain,*	124 Handy St.
Benjamin Briggs Ward, A. B., Wabash College.	*Wickliffe.*	

FIRST YEAR, 10.

SPECIAL

C. S. Chase, M. D.,	*Iowa City, Iowa.*	
R. E. Hall,	*Iowa City, Iowa.*	
Pierre A. Fish, Ph. D.,	*Ithaca, N. Y.*	
B M. Chandler,	*Cleveland,*	894 Case Av.
Arthur Seidman, A. B., M. D.,	*Cleveland,*	1054 First Av.
H. R. C. Wilson,	*Cleveland,*	74 Burt St.

SUMMARY

Fourth Year	38
Third Year	20
Second Year	12
First Year	10
Special	6
Total	86

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REQUIREMENTS FOR ADMISSION

I. Graduates in Arts and Sciences of recognized colleges will be accepted without examination, on presentation of diploma.

II. Students who present certificates from recognized colleges, showing that the work of the Junior year in such colleges has been completed, will be accepted without examination.

III. Students who can not present certificates covering the entire work of the first three years in a recognized college, will be required to pass an examination upon the work in which they may be deficient. These examinations will be conducted by the Faculty of Adelbert College of Western Reserve University.

IV. Students in the Senior class of Adelbert College are permitted to take elective courses in the first year of the Medical College. Such electives, to the extent of nine hours a week, are counted toward the academic degree, so that in this way students may save one year in the combined literary and medical courses.

COLLEGE TRAINING SUGGESTED PREPARATORY TO THE STUDY OF MEDICINE

Students who contemplate the study of medicine should, during their undergraduate course, take as much work in Biology, Chemistry and Physics as is consistent with general culture training. To this end the student should take the elementary courses in these subjects, as early in his collegiate course as is permissible and follow these by more advanced courses in order that he may be prepared to take up medical work with a thorough knowledge of these subjects. In Biological science, he should take General Biology or

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Elementary Zoology and Botany, Anatomy of Vertebrates and Embryology of Vertebrates. Courses in Invertebrate Zoology, Phenerogamic Botany and Elementary Physiology are also desirable.

For such work as the student completes in Normal Animal Histology, Vertebrate Anatomy and Embryology, due credit will be given upon presentation of evidence of work, especially on laboratory notes and drawings and he will be required to take in the Medical College only such parts of these subjects as he has not already covered.

In Physics he should take at least the elementary courses. A knowledge of Mechanics, Optics and the elements of Electricity and Magnetism are especially desirable.

The student entering the Medical Department is now required to have completed his work in Chemistry before being admitted; his undergraduate work, therefore, should cover the Chemistry of the non-metals and metals, organic chemistry and qualitative analysis. The courses in quantitative analysis and physiological chemistry are also desirable, but the latter subject is well covered in the course of physiology in the Medical School.

The above work should practically be completed prior to the work of the Senior year in the undergraduate college.

Since a large part of current literature in medical subjects is written in German and French, the student who contemplates the study of medicine should have a good reading knowledge of these two languages.

The above branches are thus particularly desirable as preparatory studies for medicine.

ADMISSION TO ADVANCED STANDING

Graduates in Arts or Sciences of recognized colleges who have, during their academic course, devoted to the subjects the number of hours, or have covered the text-books mentioned below or their equivalents, and have passed satisfac-

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tory examinations thereon, may be admitted to the second year of the course. But the amount of practical work in such courses must not be less than that required in the corresponding subjects during the first year in this college.

General Biology, 90 hours; Sedgwick and Wilson, or Huxley and Martin. Comparative Anatomy, 90 hours; Kingsley or Wiedersheim. Embryology, 90 hours; Foster and Balfour, Hertwig or Heisler. Human Anatomy, 120 hours. Histology, 200 hours; Böhm and Davidoff's, Schäfer's, Piersol's, Stöhr's, or Clarkson's Histology. Inorganic and Organic Chemistry, 300 hours. Physics, 60 hours; Carhart's University Physics, or Gage's Elements of Physics.

Graduates in Arts or Sciences who are deficient in Histology or Organic Chemistry may still be permitted to enter the second year on condition of making up the deficiency by private work and passing the examination on these subjects during the year. Students from other medical colleges will be admitted to advanced standing on the production of satisfactory proof that they have completed the required preliminary work and also that comprised in the portion of the curriculum of this college from which exemption is sought.

Graduates in Medicine from other schools, who desire to apply for the degree of Doctor of Medicine in this school, must present satisfactory proof that they have completed the preliminary literary work required of the class to which they seek admission, must take at least the work of the fourth year, and must pass the examinations on all the subjects of this year, and any subjects of other years in which they may be deficient. Graduates in Medicine, or other students who desire to take special courses without graduation, will be admitted without examination. Such special courses will not count in any way for the degree of Doctor of Medicine in this College.

Examination of certificates for admission will take place in the college building on the two week days preceding the opening of the session. Candidates should attend at the col-

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lege on either of these days, bringing their certificates with them. Diplomas or certificates may also be personally presented to the Registrar during the week preceding the opening, or forwarded to him at any time.

In accordance with the laws of certain states, not including Ohio, all persons desiring to practice medicine in these states are required to have attended, before taking the state examination, four full years at a regular medical college, whether they are graduates of a literary college or not. The attention of candidates for advanced standing is therefore called to this fact.

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COURSES OF STUDY

Number of Hours Per Week.

FIRST YEAR

LECTURES AND RECITATIONS

Anatomy ..... 2 hours
Histology and Microscopical Anatomy ..... 1 hour
Comparative Anatomy and Embryology ..... 1 hour
Physiology ..... 1 hour

LABORATORY WORK

Histology and Microscopical Anatomy ..... 6 hours
Comparative Anatomy and Embryology ..... 6 hours
Physiology ..... 4 hours
Dissections ..... 12 hours, until March 1st
Electives ..... 3 hours, until March 1st
9 hours, after March 1st
Chemistry ..... 6 hours, until March 1st
12 hours, after March 1st

SECOND YEAR

LECTURES AND RECITATIONS

Physiology ..... 3 hours, until March 1st
1 hour, after March 1st
Anatomy and Applied Anatomy ..... 4 hours
Pathology and Bacteriology ..... 2 hours
Bandaging and Splints ..... 2 hours after March 1st
Physical Diagnosis ..... 2 hours, after March 1st
Pharmacology ..... 1 hour

LABORATORY EXERCISES

Physiology ..... 6 hours, until March 1st
2 hours, after March 1st
Pathology and Bacteriology ..... 9 hours
Pharmacology ..... 2 hours, until March 1st
7 hours, after March 1st
Dissections ..... 9 hours, until March 1st
Electives ..... 2 hours, after March 1st
Demonstration in Gross Pathology ..... 1 hour

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THIRD YEAR*

LECTURES AND RECITATIONS

Pharmacology ..... 2 hours
Therapeutics ..... 3 hours
Obstetrics ..... 2 hours
Medicine ..... 3 hours
Surgery ..... 2 hours
Gynecology ..... 1 hour
Physical Diagnosis ..... 2 hours

DIDACTIC AND CLINICAL LECTURES

Medicine ..... 4 hours
Surgery ..... 6 hours
Nose, Ear and Throat ..... 1 hour
Dermatology ..... 1 hour

LABORATORY EXERCISES

Pharmacology ..... 4 hours before February 1st
Applied Anatomy ..... 1 hour
Pathological Demonstrations ..... 1 hour
Clinical Laboratory ..... 4 hours

FOURTH YEAR

Daily work in Dispensary Section, 1 to 3 p. m., Lakeside Hospital. Individual Assignment for ward cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught to Sections in second half-year. Exercises in Obstetric Mannikin taught to Sections. Autopsies and Clinical Pathological material worked up throughout the year. No Sections to be detailed to Hospitals or Dispensaries in hours conflicting with schedule.

GENERAL CLINICS

Medicine ..... 4 hours
Surgery ..... 6 hours
Gynecology ..... 2 hours
Obstetrics ..... As material offers

LECTURES

Hygiene and Preventive Medicine ..... 2 hours
Jurisprudence ..... 1 hour

LECTURES, CLINICAL AND DIDACTIC

Nervous Diseases ..... 1 hour
Pediatrics ..... 1 hour
Ophthalmology ..... 1 hour

Special clinics in medicine and surgery at St. Alexis or City Hospitals, two sections to half of class, two hours each per week.

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SCHEDULE OF HOURS, 1904 TO 1905

(The hours in square brackets begin with March 1st; those in rounded brackets run until March 1st.)

FIRST YEAR CLASS

MONDAY—Histological Laboratory, 8 to 12 a. m. (Dissections, until March 1st, 1:30 to 4:30 p. m.) [Elective Work (Note A), after March 1st, 1:30 to 4:30 p. m.]

TUESDAY—Comparative Anatomy and Embryology Laboratory (Note B), 8 to 11 a. m. Anatomy Lecture, 11 to 12 a. m. (Dissections, until March 1st, 1:30 to 4:30 p. m.)

WEDNESDAY—Physiology Laboratory, 8 to 10 a. m. Histology Laboratory, 10 to 12 a. m. (Dissections, until March 1st, 1:30 to 4:30 p. m.)

THURSDAY—Comparative Anatomy and Embryology Lecture (Note B), 8 to 9 a. m. Elective Work (Notes A and B), 9 to 12 a. m. (Dissections (Note C) until March 1st, 1:30 to 4:30 p. m.) [Chemistry (Note C), after March 1st, 1:30 to 4:30 p. m.]

FRIDAY—Histology Quiz, 8 to 9 a. m. Physiology Lecture, 9 to 10 a. m. Physiology Laboratory, 10 to 12 a. m. (Dissections (Note D), until March 1st, 1:30 to 4:30 p. m.) [Elective Work (Notes A and D), after March 1st, 1:30 to 4:30 p. m.]

SATURDAY—Comparative Anatomy and Embryology Laboratory (Note B), 8 to 11 a. m. Anatomy Lecture, 11 to 12 a. m.

NOTES TO FIRST YEAR SCHEDULE

Note A—A number of Elective Courses will be offered, supplementary to the regular work in the departments. The subjects of these courses will be announced later. Students must account for the whole time assigned to the Electives, but are allowed the choice of the subjects; except that those conditioned in Chemistry must elect this branch. The Elective work may also be taken at Adelbert College.

Note B—These courses may be taken at Adelbert College.

Note C—Only for students conditioned in Chemistry.

Note D—Only for students not conditioned in Chemistry.

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SECOND YEAR CLASS

MONDAY—Physiology Lecture, 8 to 9 a. m. Bacteriology and Pathology, 9 to 12 a. m. (Dissections, until March 1st, 1:30 to 4:30 p. m.) [Physical Diagnosis at Charity Hospital, after March 1st, 2 to 3 p. m.] Applied Anatomy, 4 to 5 p. m.

TUESDAY—(Physiology Laboratory, until March 1st, 8 to 12 a. m.) [Pharmacology Laboratory, after March 1st, 8 to 12 a. m.] (Dissecting, until March 1st, 1:30 to 4 p. m.) (Anatomy, until March 1st, 4 to 5 p. m.) [Anatomy, after March 1st, 3 to 4 p. m.] [Bandaging, after March 1st, 4 to 5 p. m.]

WEDNESDAY—Pharmacology Lecture, 8 to 9 a. m. Bacteriology and Pathology, 9 to 12 a. m. [Pharmacology Laboratory, after March 1st, 1:30 to 4:30 p. m.]

THURSDAY—(Physiology Lecture, until March 1st, 8 to 9 a. m.) Bacteriology and Pathology, 9 to 12 a. m. (Dissections, until March 1st, 1:30 to 4:00 p. m.) [Physical Diagnosis, after March 1st, 3 to 4 p. m.] Applied Anatomy, 4 to 5 p. m.

FRIDAY—(Physiology Lecture, until March 1st, 8 to 9 a. m.) Bacteriology and Pathology, 9 to 12 a. m. (Dissections, until March 1st, 1:30 to 3:00 p. m.) Anatomy, 3 to 4 p. m. [Bandaging, after March 1st, 4 to 5 p. m.]

SATURDAY—(Pharmacology Laboratory, until March 1st, 8 to 10 a. m.) [Elective Work, after March 1st, 8 to 10 a. m.] Physiology Laboratory, 10 to 12 a. m.

THIRD YEAR CLASS*

MONDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Fractures and Dislocations, 11 to 12 a. m. Pharmacological Laboratory, to Feb. 1st, 1:15 to 4:00 p. m. Applied Anatomy, 4 to 5 p. m.

TUESDAY—Medical Clinic at Lakeside Hospital, 8:30 to 10 a. m. Surgical Clinic at Lakeside Hospital, 10 to 12 a. m. (including instructions in anæsthetics). Until Jan. 1st, Clinical Surgery, 2 to 3:30 p. m. Physical Diagnosis at City Hospital, 3:30 to 5 p. m. After Jan. 1st, Clinical Laboratory, 2 to 5 p. m.

WEDNESDAY—Medical Recitation at Charity Hospital, 8 to 9 a. m. Medical Clinic at Charity Hospital, 9 to 10 a. m. Surgical Clinic at Charity Hospital, 10 to 11 a. m. Principles of Surgery at Charity Hospital, 11 to 12 a. m. Dermatology, 2 to 5 p. m. To Feb. 1st, Pharmacological Laboratory, 3:15 to 5:15 p. m.

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THURSDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Gross Pathology, Demonstration, 11 to 12 a. m. Clinical Laboratory, until Jan. 1st, 1:30 to 3 p. m. Medicine at Lakeside Hospital, 3 to 4 p. m. Applied Anatomy, 4 to 5 p. m.

FRIDAY—Therapeutics, 8 to 9 a. m. Gynecology, 9 to 10 a. m. Clinical Laboratory, 10 to 12 a. m. Nose, Ear and Throat, Lakeside Hospital, 2 to 3 p. m. Genito-Urinary, College Building, until Jan. 1st, 3 to 4 p. m. Physical Diagnosis, Lakeside Hospital, after Jan. 1st, 3 to 4 p. m. Medicine, College Building, 4 to 5 p. m.

SATURDAY—Medicine, Charity Hospital, 9:30 to 10:30 a. m. Surgical Clinic, Charity Hospital, 10:30 to 11:30 a. m. Principles of Surgery, Charity Hospital, 11:30 to 12:30 a. m. Clinical Surgery, 2 to 3:30 p. m. Physical Diagnosis at City Hospital, until Jan. 1st, 3:30 to 5 p. m.; after Jan. 1st, Clinical Laboratory, 2 to 5 p. m.; after Jan. 1st, sections to Charity Hospital Dispensary. Instructions at special hours in history taking, recording, cataloguing and references. Attendance on autopsies as especially arranged.

FOURTH YEAR CLASS

Daily work in Dispensary Section, Lakeside Hospital, 1 to 3 p. m. Individual assignment in Ward Cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught in Sections in second half-year. Exercises in Obstetrics and Mannikin taught to Sections. Autopsies and Clinical Pathological material worked up throughout the year. Sections detailed to St. Alexis Hospital Wednesday and Saturday mornings. Quizzes on Clinics in hours to be announced.

MONDAY—Clinical Laboratory and Ward Cases by Sections, 8 to 10 a. m. Obstetrics, 10 to 11 a. m. Fractures (first half-year), 11 to 12 a. m. Dispensary Clinics, 1 to 3 p. m. Surgical Diagnosis, Lakeside Hospital, 3 to 4 p. m.

TUESDAY—Medical Clinic, Lakeside Hospital, 8:30 to 10 a. m. Surgical Clinic, Lakeside Hospital, 10 to 12 a. m. Dispenary Clinics, 1 to 3 p. m. Nervous Diseases, Lakeside Hospital, 3 to 4 p. m.

WEDNESDAY—Medical Clinic, Charity Hospital, 9 to 10 a. m. Surgical Clinic, Charity Hospital, 10 to 11 a. m. Dispensary Clinic, 1 to 2 p. m. Pediatrics, Lakeside Hospital, 2 to 3 p. m. Hygiene and Preventive Medicine, 3 to 4 p. m.

THURSDAY—Clinical Laboratory and Ward Cases, by Sections, 8 to 10 a. m. Obstetrics, 10 to 11 a. m. Gynecological Clinic, Lakeside

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Hospital, 11 to 12 a. m. Dispensary Clinic, 1 to 3 p. m. Medical Clinic, 3 to 4 p. m.

FRIDAY—Jurisprudence, 8 to 9 a. m. Surgical Clinic, Lakeside Hospital, 10 to 12 a. m. (including instructions in anæsthetics). Dispensary Clinic, 1 to 3 p. m. Ophthalmology, Lakeside Hospital, 3 to 4 p. m. Hygiene and Preventive Medicine, 4 to 5 p. m.

SATURDAY—Gynecological Clinic, Charity Hospital, 8 to 9:30 a. m. Medicine, Charity Hospital, 9:30 to 10:30 a. m. Surgical Clinic, Charity Hospital, 10:30 to 11:30 a. m. Dispensary Clinic, 1 to 3 p. m. City Hospital Clinics, until Jan. 1st, 2 to 5 p. m.

*The schedules for the third and fourth year classes are those in use in the current term. It is expected that only minor modifications will be introduced for the coming year. Beginning with the class entered in 1903, the pharmacological laboratory work will be given entirely in the second year, leaving more time for clinical work in the junior year.

DISPENSARY SECTIONS

SECTION.	1	2	3	4	5	6	7
Oct. 5 to Oct. 31,	Eye	Paed.	Med.	N. D.,	Surg.	Gyn.	N. E. T.
Nov. 1 to Nov. 28,	N. E. T.	Eye	Paed.	Med.	N. D.	Surg.	Gyn.
Nov. 30 to Jan. 2,	Gyn.	N. E. T.	Eye	Paed.	Med.	N. D.	Surg.
Jan. 4 to Jan. 30,	Surg.	Gyn.	N. E T.	Eye	Paed.	Med.	N. D.
Feb. 1 to Feb. 27,	N. D.	Surg.	Gyn.	N. E. T.	Eye	Paed.	Med.
Feb. 29 to Mar. 27,	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye	Paed.
Mar. 29 to Apr. 24,	Paed.	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye

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DEPARTMENTS AND METHODS OF INSTRUCTION

ANATOMY

PROFESSOR HAMANN

DR. TIERNEY

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations, recitations and quizzes. In order to facilitate the work in osteology, students of the first year are provided with separate portions of the skeleton, which they are permitted to take to their rooms for study. Two hours in recitations, and twelve hours for dissecting, until March 1st, in suitable periods weekly, are given to anatomy during the first year. Students are required to dissect all parts of the cadaver at least once. For demonstrations upon the cadaver and anatomical preparations the second year class is divided into a number of small sections, whose meetings take the form of anatomical conferences rather than of formal demonstrations. Each individual student thus has an excellent opportunity for becoming familiar with the various parts of the body, and for receiving direct personal instruction. Four hours a week are given to lectures and recitations in the second year and nine hours a week until March 1st to dissecting. In the third year instruction is given by lectures and recitations in applied anatomy.

HISTOLOGY, COMPARATIVE ANATOMY AND EMBRYOLOGY

PROFESSOR WAITE

HISTOLOGY AND MICROSCOPICAL ANATOMY

The course includes work upon the fundamental mammalian tissues, followed by the study of the finer anatomy of the mammalian organs. The material used is human tissue in large part, supplemented by tissue from other mammals. In the study of the organs the student first becomes acquainted with the microscopic features in fresh material and then proceeds to the finer anatomy. An essential part of the work is training in the standard methods of technique. Each student stains and mounts over two hundred sections which he later studies, describes and draws. He is required to carry a con-

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siderable number of tissues through all the steps of preparation, including removal from the animal, fixation by several methods, hardening, dehydration, infiltration, embedding in celloidin and in paraffin, sectioning, including serial sectioning, staining in toto, in sections and on the slide and mounting. The rapid preparation with the freezing microtome and the special methods for blood examination are also used. A student may elect to do additional work in this subject, the details to be arranged by conference.

The recitations supplement the laboratory work and aim to bring out those points which the student does not see in his sections. One recitation and six hours' laboratory work per week throughout the Freshman year.

COMPARATIVE VERTEBRATE ANATOMY

The aim of this course is to acquaint the student with the more important characteristics of the classes of vertebrates, and also to prepare for the experimental work in physiology. The student dissects, as carefully as the time will allow, representatives of the different classes of vertebrates, and makes descriptive notes and drawings of these dissections. The lectures and recitations deal with the modifications of the several systems of organs in the vertebrate series and are supplementary to assigned reading in a standard text-book. Quizzes are held upon the dissections, lectures and assigned reading. The student may elect to do additional work in this subject, the details to be arranged by conference. One lecture or recitation and six hours laboratory work per week, first half Freshman year.

VERTEBRATE EMBRYOLOGY

This course is so planned as to instruct the student in the fundamental facts of vertebrate development. The laboratory work begins with a rapid study of cleavage and gastrulation in forms representing the fundamental conditions in these processes, followed by the study of the development of the chick to the end of the fourth day. The development of the pig is then taken as a favorable form for the study of mammalian ontogeny. In these two forms the development of external form, of the germ layers, organ systems, and the individual organs is taken up with as much detail as the time will allow. In the recitations emphasis is laid upon the development of the human embryo. The student may elect to do additional work in this subject, the details to be arranged by conference. One recitation and six hours laboratory work per week, second half Freshman year.

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PHYSIOLOGY

PROFESSOR MACLEOD

DR. COBB

The course in physiology extends over two years. During the first year the class meets five hours a week, the time being almost entirely occupied in practical laboratory work; in bio-chemistry during the first half of the session, and in experimental physiology, as studied on amphibians, during the latter half. These laboratory exercises are supplemented by lectures and quizzes.

Until March 1st, in the second year, six hours a week are devoted to the practical application of the more important experimental methods used in the study of the physiology of circulation, respiration, digestion, metabolism and excretion. These experiments are made on mammals.

After March 1st of this year two hours a week are spent in studying the experimental physiology of the nervous system and special senses; and in advanced bio-chemistry.

Throughout the first and second year, there are, besides the practical work, lectures and quizzes (one hour per week during the first year; in the second year, three hours a week until March 1st, one hour after March 1st). The lectures and quizzes throughout the course are arranged, as far as possible, to supplement the practical work, and during the latter part of the second year some of the lectures are devoted to the application of physiology to medicine. Examinations are held towards the end of each month on the month's work. Arrangements are also made by which the entire course in physiology can be taken in one year.

CHEMISTRY

Students who are conditioned in chemistry upon entering the Medical School may remove these conditions by private work in the physiological laboratory. The schedule has been arranged so as to leave 240 hours for this work.

PHARMACOLOGY AND MATERIA MEDICA

PROFESSOR SOLLMANN

DR. HATCHER

The course in this department aims to give an exact knowledge of the actions and characters of drugs, by means of lectures, recitations, conferences, laboratory demonstrations, experimental work by the

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students, reviews and tests. The regular course covers the entire subject to the extent which is deemed necessary for the general practitioner. Various optional work is offered in addition.

The work begins in the sophomore year with pharmacognery, pharmacy, general toxicology, incompatibilities, prescription-writing and flavors. The locally acting drugs (irritants, stomachics, carminatives, cathartics, emollients, etc.), are then studied. In this year, 30 hours are devoted to lectures and recitations, and 60 hours to laboratory work.

The course continues throughout the junior year, with 50 hours of laboratory work and 60 hours of lectures, recitations, etc. The didactic work covers the alkaloids, neutral principles, salt and ion actions, and the systemic action of metals. The study of the actions of drugs is based upon a critical resume of the experimental and toxicological data, and the application of these to the clinical uses of medicines. It is aimed to furnish the students with a clear understanding of the actions, and of the evidence on which our knowledge of the subject rests. The drugs are grouped according to their most prominent therapeutical and chemical relations. A broad outline of the principal features of a group is given in a lecture. The subject is then assigned for study, and reviewed in recitations, when the details of the subject are developed. Review quizzes and written tests are given at intervals during the course.

This systematic study of the individual drugs is supplemented, in the laboratory course, by a study of the individual functions of the tissues, as modified by drugs. The experiments are designed so as to bring out some important pharmacological principle, or to investigate the possible reactions of the important functions to drugs, or to illustrate important methods of pharmacological experimentation. By a careful selection of the drugs, all the more important facts of pharmacology are demonstrated.

The object of each exercise is first explained in a preliminary conference, and attention is directed to the phenomena to be observed. The experiments are then performed by the students, or demonstrated with the assistance of members of the class. The results are then discussed informally at the next meeting, especial stress being laid on making proper deductions from the experimental data. The laboratory course therefore furnishes, by direct observation, a ground-plan of pharmacology, on which the book-study may be built up.

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The chemical and physical character of drugs and their preparation, and the methods of administration, are studied in connection with their actions. A collection of materia medica, comprising some 1500 specimens, is always accessible to students, and a familiarity with the appearance, etc., of the more important preparations is required for passing in the subject. Pharmacy and toxicological analysis are treated in so far as they are important to practitioners. Prescription-writing is taught by practical drills scattered through the course; these are designed to illustrate at the same time the methods of employing the drugs.

The examinations for the entire course are given at the end of the junior year. The grades of the recitations and of the written tests are considered in the final grade.

In addition to this compulsory work, there are offered various optional courses, *e. g.* in pharmacy, toxicological analysis, abstracting of papers, preparation of theses, special lectures, and advanced laboratory work. Every encouragement and aid is given to original investigations.

(According to the revised schedule, all the laboratory work will be given in the sophomore year, the total number of hours remaining unchanged.)

PATHOLOGY

PROFESSOR HOWARD

DRS. PERKINS, SIPHER, DOLLEY AND SCHULZ

Instruction in this department is given by lectures, laboratory work, and demonstrations of fresh and prepared specimens. The most important feature of this course is the laboratory work done by each student.

BACTERIOLOGY. DR. PERKINS. Laboratory work in this course is given three half days a week from March 1 to the end of the first year. The subject is elucidated by informal lectures, demonstrations, and experiments on animals, as occasion requires. The student, after having prepared the various media required, is instructed in the principles of disinfection and sterilization, the bacteriological examination of air, water and soil, and the methods of cultivating, staining and studying bacteria. The pathogenic bacteria and various molds and yeasts are then studied. Altogether from thirty to thirty-five different micro-organisms are studied by each student. Students are trained in the employment of bacteriological methods in medical and surgical diagnosis, and those who prove themselves capable are

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permitted to pursue investigations along special lines, on subjects assigned them by the professor in charge.

PATHOLOGICAL HISTOLOGY. PROF. HOWARD, DRS. PERKINS AND SIPHER. The course comprises nine hours a week of laboratory work for the first five months of the second year. It begins with the study of the various forms of tissue degeneration and necrosis. This is followed by the study of inflammation in the frog's mesentery and in sections of hardened tissue, showing all the various forms of inflammatory processes. The infectious granulomata are then taken up, and the forms and special characters of the reaction of the tissues to the specific organisms of infectious diseases are demonstrated. The study of the various pathological processes is based upon their ætiology, and in addition to human tissues, the material from the experiments on animals in the bacteriological course is used for this purpose. The effects of bacterial and other toxines upon the tissues is taught in the same manner. Tumors are next considered. Based upon the above as a ground work, the pathological histology of the various organs and systems is studied. The use of fresh frozen sections of material derived from autopsies, the operating room and animal experiments forms an important feature of the course. Each student receives and is required to stain, mount, carefully study and draw from two hundred and fifty to three hundred sections.

(According to the revised schedule, the bacteriology will be given in the sophomore year. The total number of hours remains unchanged.)

DEMONSTRATIONS OF GROSS PATHOLOGICAL ANATOMY. PROF. HOWARD, AND DRS. PERKINS, SIPHER, DOLLEY, SCHULZ AND SELBY. Demonstrations are made to second and third year students from the large amount of fresh material derived from autopsies and from the surgical and gynecological clinics. Students are required to handle and describe specimens and to make diagnoses from the gross appearances, the microscopical diagnosis of tumors being an important feature. The hospital connections of the laboratory are such that students can be trained in making autopsies and in writing protocols of the lesions found.

GENERAL PATHOLOGY. PROF. HOWARD. Two lectures a week are given to the second year class. In these lectures the various infectious diseases, immunity, the degeneration and regeneration of tissue, the ætiology of tumors, and the special pathology of the various organs and systems are considered.

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ADVANCED AND SPECIAL WORK. A special room, well lighted and equipped, is provided for physicians and advanced students who wish to undertake special work in pathological histology, experimental pathology and bacteriology.

CLINICAL LABORATORY

DR. LADD

The new clinical laboratory at Lakeside Hospital is thoroughly equipped with all the necessary apparatus for making complete examinations of the various secretions and excretions, normal and pathological; the blood, urine, sputum, gastric contents, fæces, etc.

Microtome for frozen sections and celloidin work and the various necessary stain and reagents are at the disposal of the students, they being required to apply the methods of technique taught in the laboratory in the study of special cases assigned to them in the hospital wards. A large room of the clinical laboratory is devoted exclusively to the fourth year class, and the main lecture room is devoted entirely to the third year class, who are given systematic instruction throughout the session. The fourth year students are required to apply the knowledge thus gained in working up the cases assigned to them during the fourth year. Special rooms are equipped for the examination of sputum and making chemical tests; also a dark room is fitted up for doing polaroscopic and hæmoglobin work. A few rooms are available for the use of special workers, these rooms to be assigned at the discretion of the director of the laboratory. Microscopes and other instruments are available for the work in this department. The total laboratory capacity contains 2,600 square feet.

CLINICAL MICROSCOPY. Work in this department will cover the third and fourth years. The third year work will comprise a systematic course, consisting of two laboratory exercises a week throughout the term, on blood, sputum, gastric juice, urine, fæces and pathological exudates.

The technique employed in doing paracentesis of the chest, abdomen and spinal canal; in taking throat, blood, bladder and uterine cultures as well as the further examination of the products obtained, will be carefully outlined.

The methods of preparing material obtained at the operating table for microscopical examination will be shown and each student required to do such work before the completion of his course. The object of this course is not only to cover the ground outlined above, but to prepare the student for independent work. In the fourth year

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the students will work in small groups in the room assigned to them and especially equipped for their use. They will receive no systematic instruction, but will work under the direction and control of the instructor. Their work will consist of the examination of urine, blood, sputum, gastric juice, fæces, and purulent and other discharges from their ward and dispensary cases, as well as of tumors and other material removed at operations. This work is obligatory, is done in connection with the students' own clinical cases, and is therefore thoroughly practical.

THERAPEUTICS

PROFESSOR DARBY

Three hours a week are devoted to Therapeutics during the third year. The teaching is done mainly by means of lectures and quizzes, designed to make the student familiar with all the resources of Therapeutics and enable him to make an intelligent and satisfactory use of them in his future work. Medicines are studied in groups based on their therapeutic affinities, and individually in their application to disease. Careful attention is paid to dossage, the time and mode of administration, influences and conditions which may modify their actions, the effect of toxic doses, the treatment of poisonings and of drug habits. Electrotherapy, Kinesitherapy, including Massage and Rest-Cure. Psychotherapy, including Hypnotism and Suggestion. Serotherapy, Hydrotherapy and Balneotherapy. Dietetics and Climatology are carefully studied in their relation to pathological conditions. The aim of the course is to give the student a thorough and practical knowledge of all the means and methods used in the "treatment and prevention of disease, which is the ultimate aim of all medical research."

PHYSICAL DIAGNOSIS

PROFESSOR HOOVER

DRS. OSBORN, MERRIAM, SEASON, MOOREHOUSE, WAGNER, CARTER AND DARBY

Physical diagnosis is taught in the second and third years. During the second year the student is taught to recognize and elicit all of the physical phenomena of the circulatory and respiratory organs and abdominal viscera that are demonstrable by inspection, palpation and auscultation. Pathological cases are shown only as they are found necessary for the demonstration and explanation of physiological signs. At the end of the year each student is required to demon-

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strate the normal physical signs of the thorax and abdomen. During the third year physical diagnosis is taught from pathological cases. The students are required to demonstrate at every exercise, and are also given opportunity to practice in the dispensary and hospital wards. The final examination in this course is a practical one. Each student is required to examine a patient, describe the physical signs and make an eliminative physical diagnosis.

THEORY AND PRACTICE OF MEDICINE

PROFESSOR LOWMAN

PROFESSOR SAWYER

DRS. OSBORN, MERRIAM, SEASON, MOOREHOUSE, CARTER AND DARBY

The teaching of medicine is done in the third and fourth years. Lectures, largely clinical, are given to both classes, and the largest possible number of students make direct observation of the patients presented. It is found that very often the whole class can individually verify the conditions described by the lecturer, and this plan has proved of great advantage in the presentation of the cases. The third year class will receive two hours per week in text book work, in which internal medicine not provided for in special departments will be covered in recitation and discussion. The same class has three hours of clinics, and is assigned to the individual study of select dispensary cases. Clinical laboratory drill is made a decided feature of this year's work. In the fourth year the class is taught medicine by clinics, by drill in sections in the dispensary, by the assignment to ward cases, in connection with which the fullest use of the clinical laboratory will be insisted upon. Throughout the course thus outlined, the endeavor is made to develop not only the knowledge of diseases and their diagnosis, but also to thoroughly consider the use of remedies.

SURGERY

PROFESSOR ALLEN

PROFESSOR BUNTS

PROFESSOR CRILE

DRS. BECKER, BRIGGS, HERRICK, LOWER AND BIRGE

Surgery is taught by means of lectures and demonstrations. During the second year two hours weekly, after March 1st, are devoted to the systematic instruction in the application of bandages, splints and in minor surgery. In addition to this the students are given practical drill, in sections, in the application of bandages and splints. During the third year the students receive two hours of lectures

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weekly upon the principles of surgery, and also section work in Charity Hospital Dispensary. A course of one hour a week is given in the taking of histories, the recording of cases with the surgical literature pertaining to them and in surgical diagnosis. The material from the dispensary at Lakeside Hospital is used for the latter course. Instruction is given one hour weekly on the subject of fractures and dislocations. There are at least four hours weekly devoted to clinics, and there is instruction of one hour weekly during a period of six months in genito-urinary surgery. A laboratory course has been arranged for instruction in addition to that given during the second year in the course on general pathology.

In this course students are taught to examine blood, and pus, to make cultures, to inoculate animals, to cut sections and make diagnosis of tumors and to perform personally all the laboratory work incident to the diagnosis of surgical cases. This course occupies, in conjunction with a similar course in clinical medicine, from four to six hours weekly during the entire year.

During the fourth year the student attends clinics six hours weekly. After January 1st, there is an additional clinic of one and a half hours weekly, in which instruction is given to sections of from four to six men. Optional clinics are given every Saturday afternoon from the beginning of the term until January 1st at the City Hospital. A course is also given in operative surgery, utilizing all means necessary for the best development of instruction in this department. Throughout the fourth year, also, the student is assigned cases for examination and diagnosis, upon which complete written reports are required. Provision is made in the clinical laboratory for the thorough examination of all of these cases by laboratory methods. The student is required to examine the blood, sputum, urine, fæces, to make sections and diagnosis of tumors and investigate infections, and to make exhaustive reports, under the supervision of especially appointed instructors or demonstrators, which shall be compared with those made by the clinical staff of the various hospitals. In addition to this the class is divided into sections for daily work in the dispensaries. Until January 1st, one hour weekly is devoted to surgical diagnosis. After January 1st this same hour is utilized for the purpose of quizzing the class upon the subjects presented at the surgical clinics. For the purposes of instruction the material is ample, clinics being given at Lakeside, Charity, St. Alexis and the City Hospitals.

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OBSTETRICS

PROFESSOR POWELL

DRS. CLARK, THOMAS AND DICKENSON

Instruction in this course begins with the third and continues through the fourth year, two lectures a week throughout each year. The plan includes didactic lectures, quizzes, practical demonstrations and bedside instruction. Lectures are illustrated freely by charts, diagrams, models and operations upon the manikin. Students are required to become familiar with the use of the various obstetric instruments. The Senior class is divided into small sections and given practical work outside of schedule hours.

Each Senior student is expected to attend from three to five cases of labor under the supervision of the Professor of Obstetrics, or his assistant. The work of the class is chiefly practical.

The work of the Junior class is conducted by Drs. Clark and Thomas. Two hours per week, including recitations from text book and quizzes, are assigned for this purpose.

GYNECOLOGY

PROFESSOR ROBB

PROFESSOR HUMISTON

DRS. THOMAS, SUNKLE, WEIR, POVEY AND WILLIAMS.

Gynecology is taught by a weekly didactic lecture, lasting one hour, and by supplemental quizzes during the third year; through the fourth year two hours a week are devoted to clinical instruction. The patients admitted to the wards of the Lakeside, Charity and City Hospitals for laceration of the perinæum and for vaginal, vesical, uterine, tubal and ovarian disease, will be shown either at the regular clinics in the amphitheatre or will be made the subjects of teaching at the bedside. Instruction will be given in the wards, so far as it is possible, upon the management of such cases during the period immediately following operation and during the period of convalescence. As a rule, each student will have an opportunity of performing some minor operation.

The work in the dispensary at Lakeside and Charity Hospitals will include history-taking and the ordinary methods of examination, the diagnosis and treatment of cases. This instruction is given daily during the school year to the students of the fourth year. For this work the class is divided into sections, so that each student can receive individual attention. Students in turn will be permitted to examine patients, and suitable cases will be operated upon before the class.

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DERMATOLOGY AND SYPHILOLOGY

PROFESSOR CORLETT

DR. HOLE

Instruction in this department is given to the third and fourth year classes. Clinical lectures are given once a week to the third year students during a part of the college year. It is the endeavor to cover the rudiments of dermatology in these demonstrative lectures. When necessary lantern-slide plates and other illustrations are used to further elucidate the subject of diseases of the skin. During the course the class will be quizzed by the assistant in Dermatology.

The Senior class is divided into sections and given practical instruction in the clinics three times a week. Thus the common diseases of the skin, as well as many of the more rare forms, are studied and progress under treatment noted. Ample opportunity is given to apply dressings and each student is called upon to make diagnoses and outline courses of treatment under the immediate supervision of the instructor. Clinical material is abundant.

DISEASES OF THE NOSE, THROAT AND EAR

DR. INGERSOLL

DR. LINCOLN

DRS. WAUGH, CHAMBERLIN AND ELSON

Didactic lectures on these diseases are given once a week during the third year. Clinical instruction is given during the fourth year and consists in daily work in the dispensary of Lakeside Hospital. Each section of the class is in turn given personal instruction in the use of instruments for examination and operation and also in the diagnosis and treatment of the various cases.

DISEASES OF CHILDREN

PROFESSOR CUSHING

DR. THOMAS AND POPE

The instruction in this course, given in the fourth year, consists of a weekly clinical lecture and recitation, followed by a ward visit. Abundant illustrative material is obtained from the Lakeside Hospital dispensary and the children's ward.

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OPHTHALMOLOGY

PROFESSOR MILLIKIN

DRS. BRUNNER AND SHACKLETON

The method of instruction is largely clinical with didatic teaching interspersed. It is given to the Senior class. The class is divided into sections, each one being assigned in rotation to cases for examination in the dark room. Each student will be given cases for special study, and is expected to make a report upon them before the class, and will be subject to quizzing by members of the class and the instructor. The aim is to teach the diagnosis and methods of treatment of the external diseases of the eye, and to give a working knowledge of the uses of the ophthalmoscope. The eye department has separate wards in Lakeside Hospital in which students have opportunities for seeing work at the bedside. The class will be divided into sections for instruction with the ophthalmoscope, and for daily work in the dispensary rooms during the year. This department has abundant facilities, appliances and material. A large "dark room" with ten lights, a Javal-Schiötz Ophthalmometer, a perimeter, test cases and ophthalmoscopes for practical ophthalmology are provided. A Haab's magnet has recently been added to the equipment.

NEUROLOGY

PROFESSOR UPSON

DRS. SPENCE AND HUTCHINS

Instruction in this branch of medicine is clinical and occupies one hour a week throughout the fourth year. In connection with the cases shown the class is instructed in the use of the different forms of electric current for diagnosis and treatment, and in other diagnostic methods. The material of the City Hospital is utilized from the beginning of the school year up to January 1. Cases of nervous diseases in the hospital proper are shown, and the class is taken through the wards of the Department of the Insane and instruction given in the different forms of mental disturbance. During the remainder of the year material for demonstration is drawn from the Neurological Clinic of the Dispensary and from the wards of Lakeside Hospital.

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HYGIENE AND PREVENTIVE MEDICINE

PROFESSOR ASHMUN

Hygiene and Preventive Medicine are included in the fourth year, and will occupy two hours a week. In hygiene the course will include consideration of heredity; normal development of individuals and races; climatic and meteorological influences; the essentials and accessories to life and health; effects of habits of life and occupation; individual family and community sanitation.

The course in Preventive Medicine is given by lectures, conferences, theses by students on topics assigned. It includes consideration of the pathology, natural history, channels and means of dissemination, together with methods of limiting the spread of infectious diseases, the duties and powers of public officers of health; value and manner of keeping vital statistics; the relation and duties of the physician to the public in matters pertaining to the public health, etc.

MEDICAL JURISPRUDENCE

Throughout the first half-year, one lecture a week is given to the fourth year class on the subject of Medicine in its relations to the existing laws, and to the various decisions, which are rendered from time to time in important medico-legal cases. Taking up the question of real and apparent death, homicide, wounds, survivorship, identity, the determination of stains, feigned diseases, life insurance, etc., and considering in brief the relationship existing between the law and the practice of medicine.

TEXT-BOOKS

Anatomy—Gray, Morris.

Histology and Microscopical Anatomy—Stöhr, 5th Edition, or Szymonowicz.

Comparative Anatomy—Wiedersheim.

Embryology—McMurrich, or Heisler.

Bacteriology—Abbot, Sternberg, Lehmann and Neumann.

Physiology—Practical Physiology by various writers (Arnold, London); for reference, Stewart's Manual, the American Text-Book of Physiology, and Schäfer's Physiology.

Pathology—Ziegler.

Pharmacology and Materia Medica—Sollmann.

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Therapeutics—Wood, Brunton, Bartholow, Shoemaker, Butler, Schmiedeberg.

Medicine—Wood & Fritz, Strumpell, Osler.

Surgery—American Text-book of Surgery, Koenig's Surgery, Warren's Surgical Pathology.

Gynecology—Diseases of Women (Dudley), An American Text-book of Gynecology (Baldy), A Text-book on Gynecology (Reed), Practical Gynecology (Montgomery), Hart and Barbour's Manual of Gynecology. Books of reference, Pozzi, Fritsch, Aseptic Surgical Technique (Robb).

Obstetrics—Jewett, Reynolds, Davis, Hirst.

Dermatology—Crocker, Hardway, Jackson, Morrow's System of Dermatology, Corlett's Acute Exanthemata.

Neurology—Church and Peterson, Dercum, Dana. Books of reference, Gowers, Berkley on Mental Diseases.

Ophthalmology—American Text-book, De Schweinitz, Swanzy, May, Haab's Ophthalmoscopy.

Nose, Ear and Throat—American Text-book, Kyle, Bacon, Buck, Coakley, Grayson, Knight, Dench.

Hygiene and Preventive Medicine—Stevenson and Murphy, Egbert, Abbot.

Physical Diagnosis—Vierordt's Medical Diagnosis.

Diseases of Children—Holt's Infancy and Childhood, Jacobi's Therapeutics of Infancy, Ashby and Wright.

Medical Jurisprudence—Taylor's (A. S.) Medical Jurisprudence, Taylor's (A. N.) The Law in its Relation to Physicians.

EXAMINATIONS, 1904

FIRST YEAR CLASS

Comparative Vertebrate Anatomy—Tuesday, February 9th.

Histology—Friday, May 27th.

Embryology—Saturday, May 28th.

Osteology—Tuesday, May 31st.

Physiology—Wednesday, June 1st.

Bacteriology—Thursday, June 2d.

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SECOND YEAR CLASS

Physical Diagnosis—Monday, May 23rd.

Anatomy—Tuesday, May 24th.

Physiology—Practical, Wednesday, May 25th, 8 to 11 a. m.; 1 to 4 p. m.

Physiology—Written and oral, Thursday, May 26th, 8 a. m.

Pharmacology—Written and oral, Friday, May 27th.

Minor Surgery—Saturday, May 28th.

THIRD YEAR CLASS

Therapeutics—Monday, May 23rd.

Pharmacology—Materia Medica, written and oral, Tuesday, May 24th, 1:30 to 4:30 p. m.

Anatomy—Wednesday, May 25th.

Obstetrics—Thursday, May 26th.

Physical Diagnosis—Thursday, May 12th to 26th.

Dermatology—Friday, May 27th.

Genito Urinary—Friday, May 27th.

Gynecology—Saturday, May 28th.

Clinical Laboratory—Tuesday, May 31st.

Medicine—Wednesday, June 1st.

Surgery—Thursday, June 2d.

Fractures and Dislocations—Thursday, June 2d.

Pathology—Friday, June 3rd.

Ear, Nose and Throat—Saturday, June 4th.

FOURTH YEAR CLASS

Neurology—Monday, May 23rd.

Obstetrics—Tuesday, May 24th.

Medicine—Wednesday, May 25th.

Physical Diagnosis—Thursday, May 26th.

Ophthalmology—Friday, May 27th.

Jurisprudence, Hygiene and Preventive Medicine—Saturday, May 28th.

Surgery—Tuesday, May 31st.

Pediatrics—Wednesday, June 1st, 2 p. m.

Gynecology—Thursday, June 2d.

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GENERAL INFORMATION

TERMS AND VACATIONS

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a vacation of two weeks, during the Christmas holidays. There will also be a vacation of two days preceding Easter Sunday. No College exercises will be held on Thanksgiving Day and the two days following, Washington's Birthday or Decoration Day.

SITUATION OF BUILDINGS

The Medical College stands at the corner of Erie and St. Clair Sts., about five minutes' walk from the center of the city.

The Lakeside Hospital fronts on Lake Street, corner of Muirson Street—five minutes' walk from the college. St. Vincent's Hospital (Charity) fronts on Perry Street, corner of Central Avenue. The Home of Maternity is on Woodland and Longwood Avenues. The St. Alexis Hospital is located at the corner of Broadway and McBride Street, and is reached by the Broadway car line. The City Hospital fronts on Scranton Avenue, and is reached by either Jennings Avenue or Pearl Street and Brooklyn cars. The Medical Library building is at 586 Prospect Street.

ENDOWMENTS

This College is indebted to the Perry-Payne Family for the valuable ground upon which its buildings have been erected, as well as for other generous assistance from time to time. In addition there are the following special funds:

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The John L. Woods Fund.
The H. B. Hurlbut Fund.
The John Huntington Fund.
The John A. Vincent Fund.
The H. Melville Hanna Fund.
The Leonard Hanna Endowment for the Chair of Clinical Microscopy.
The Henry Wilson Payne Endowment of the Department of Anatomy.
Dr. Adolph Cudell Memorial Library Fund.

It is also under a lasting bond of gratitude and obligation to other generous donors of funds for the erection of buildings, and the endowment and equipment of laboratories and dispensaries, who have permanently increased its resources and advantages to students of medicine.

THE H. M. HANNA RESEARCH FELLOWSHIP

This Fellowship has been founded by Mr. H. M. Hanna for encouragement of research in Physiology and Pathology, and is open to graduates of any medical school.

The occupant of the post will be expected to devote himself to original investigation in Physiology or Pathology in this college under the guidance of the Professor, who shall suggest a subject for research or approve one submitted by the Fellow himself. All applicants must produce evidence of fitness for engaging in such work.

The income of the Fellowship is about $600 a year. It is tenable, in the first instance, for one year, but a Fellow who has done exceptionally good work may be reappointed for a second term.

THE "HENRY WILSON PAYNE DEPARTMENT OF ANATOMY"

At the opening of the college year a sum of $100,000 was donated to the University by Mr. H. Melville Hanna for the endowment of the "Henry Wilson Payne Department of Anatomy." This generous contribution to the college enables

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it by releasing other funds to apply a considerable amount of money towards improving the clinical teaching of the school. To this end a number of young men have been appointed to spend a considerable amount of time in the various hospital wards and elsewhere, in drilling the students individually in various departments of medicine. This enables the Faculty to put its clinical teaching on a basis comparable to that heretofore carried out in the laboratory departments.

LIBRARIES

The Free Public Library, 175,000 volumes; Case Library, 50,000 volumes; Hatch Library, 50,000 volumes, and the library of the Cleveland Medical Library Association are accessible to students of this College, and, with the exception of the Hatch Library, are within a few minutes' walk of the Medical College. By special arrangement of the Faculty members of the Senior class may have the reading privileges of the Medical Library Association's books and journals during the year. This Library now has on its shelves more than 10,000 bound volumes, and one hundred and fifty Medical Journals are on file in the reading rooms. There are more than two hundred volumes of modern text-books and medical works. In addition there is a working library in the College itself, consisting of about 2,500 volumes.

LABORATORIES

ANATOMY.—The dissecting room is well lighted with electricity, heated and ventilated and provided with modern appliances. The anatomical rooms have about three thousand square feet of floor space. Anatomical material is preserved at all seasons of the year.

HISTOLOGY, COMPARATIVE ANATOMY AND EMBRYOLOGY.—The laboratory is well lighted by a north, east and south exposure, and is equipped with electric light for use on dark

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days. Enough Leitz microscopes are owned so that each student has one for his individual use, available at all times. Individual lockers are provided. The material for study is furnished without cost to the student. There is a good equipment of microtomes, ovens, glassware, stains and reagents, and a rapidly growing collection of charts, books and demonstration preparations.

BACTERIOLOGY.—The work in bacteriology is carried on in the pathological laboratory. Students are required to provide their own material for drawings. Microscopes, culture media and animals are provided without charge, and material for staining and mounting specimens, to be retained by students at cost. The laboratory has the benefit of excellent lighting with space for individual work.

PHARMACOLOGY.—The laboratories occupy the entire fourth floor of the main building and comprise a large room for lecturing and chemical work, another large room for demonstrations and experimental work, four commodious research rooms, animal and storage rooms, etc. The rooms are excellently lighted, and well equipped for the work, and comprise in all nearly 6,000 square feet.

PHYSIOLOGY.—The teaching laboratories comprise three well-lighted rooms with an aggregate floor space of nearly five thousand square feet. The room for experimental physiology is fifty by thirty feet, the room for chemical physiology measures thirty-five by fifty feet, and the lecture room, devoted exclusively to physiology, is capable of accommodating fifty students. The equipment for teaching practical physiology permits more than forty students to work in a class at one time, some in the chemical and some in the experimental room. Several separate rooms are available for research. There is also a dark room and workshop.

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PATHOLOGY.—The pathological laboratory occupies the entire east second floor, two thousand four hundred square feet, and has in addition a special room for research work, a museum and a professor's room. The teaching laboratory room affords each student separate locker and ample table space. Apparatus, instruments and teaching material are provided without extra charge.

Besides the College laboratories there is a large three-story pathological laboratory in connection with Lakeside Hospital, and a pathological laboratory connected with Charity, the City and St. Alexis Hospitals, all of which are used for teaching purposes.

CLINICAL LABORATORY.—A clinical laboratory has been completed at Lakeside Hospital, of sufficient size to accommodate an entire class. This provides the students with greatly increased facilities for the examination of secretions and excretions, sputum, purulent and other infections, blood, urine, stomach contents, stools, etc., and permits them to make personal examinations of tumors and other pathological specimens. This work is a part of the regular instruction in the third and fourth years and greatly increases the efficiency with which the clinical work of these years is performed. Microscopes and other instruments are available for the work in this department.

MUSEUMS

Rooms in the College building are set apart for the preservation of anatomical and pathological preparations, casts and specimens. Persons not connected with the College who have specimens they wish preserved can place them in these rooms, with the owners' names attached and such histories, descriptions or remarks as they choose to give, respecting them. A very complete collection of Materia Medica is kept accessible to the students.

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HOSPITALS

LAKESIDE HOSPITAL.—Lakeside Hospital occupies a plot of ground four hundred feet long by three hundred and eighty feet deep, on the bank overlooking Lake Erie, about five minutes' walk from the College building. It affords accommodation for two hundred and fifty patients. The staff is composed of members of the Faculty of this College. The hospital has an amphitheatre seating about two hundred students for the surgical classes, and a smaller one with a seating capacity of over one hundred for the medical classes. On the third floor of the dispensary building are two lecture rooms, each capable of seating fifty to seventy-five students. There are eighteeen resident assistants for the departments of surgery, gynecology, medicine, ophthalmology, children's diseases, pathology, etc. These positions are open to the graduates of this College, and afford great opportunities for practical work.

There has been erected a pavilion for infections and contagious diseases, having four small wards, with every facility for the proper care and study of these diseases.

ST. VINCENT'S (CHARITY) HOSPITAL.—This is one of the oldest and best known institutions in the city and state. It has between seventy-five and one hundred beds. The staff is selected by the faculty, and the clinical material of the hospital is utilized for instruction in this College. There are six hospital positions open each year to the graduates of this College only.

This hospital has just added a complete new wing for the accommodation of female patients. This has added sixty beds, besides operating pavilion and recovery rooms, to the capacity of this institution. A complete dispensary department is added in the basement of this wing, with all facilities for the care of out-door patients.

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CITY HOSPITAL.—This institution is under municipal control. It accommodates one hundred and fifty to one hundred and seventy-five patients continually in the adult department and has a new building for children, with one hundred beds, besides operating rooms, pathological laboratory, etc. From September to January regular clinics in medicine, gynecology, surgery, neurology and cutaneous and venereal diseases are given here by members of this faculty. The insane department of this hospital affords material for clinical instruction in mental diseases. Frequent autopsies are held and abundant material for pathological demonstrations obtained. The resident staff is selected by competitive examination, and the students of this College are eligible.

ST. ANN'S MATERNITY HOSPITAL AND FOUNDLING ASYLUM.—During 1901 a long desired change was made at the St. Ann's Maternity Hospital and Foundling Asylum. The old institution located on Marion Street was vacated to supply more space to St. Vincent's Hospital. The Severance homestead at the corner of Woodland and Longwood was purchased and remodeled and formally opened to carry on the work in a new location. It is to be hoped that the present year will witness the erection of a new building to supply the urgent demand for more room.

St. Ann's Maternity Hospital affords abundant opportunity for the study of the physiology, mechanism and management of labor at the bedside. Graduates of our college are appointed as residents.

CLINICAL FACILITIES

The clinical facilities of this College comprise, throughout the course, the two hundred and fifty beds at Lakeside Hospital, one hundred and forty beds of Charity Hospital, the Dispensaries at Lakeside and Charity Hospitals, three hundred beds of St. Alexis Hospital, the Maternity and Children's Home, and two hundred and seventy-five beds of the City Hospital during four months of each year.

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RESIDENT PHYSICIANS

From twenty-five to thirty resident positions are open to the graduates of the College in the hospitals of the city. Of the class graduating in 1903, seventeen men received hospital appointments.

HOSPITAL SERVICE

LAKESIDE HOSPITAL STAFF

Medicine—Drs. H. H. Powell, J. H. Lowman, H. S. Upson, E. F. Cushing.

Surgery—Dr. D. P. Allen; Dr. G. W. Crile, Associate.

Ophthalmology—Dr. B. L. Millikin.

Gynecology—Dr. H. Robb.

Dermatology—Dr. W. T. Corlett.

Pathology—Dr. W. T. Howard, Jr.

CHARITY HOSPITAL STAFF

Consulting Physicians—Drs. G. C. Ashmun, B. W. Holliday, J. H. Lowman.

Consulting Surgeons—Drs. G. C. E. Weber and D. P. Allen.

Consulting Ophthalmologist—Dr. B. L. Millikin.

Consulting Dermatologist—Dr. W. T. Corlett.

Consulting Gynecologist—Dr. H. Robb.

Visiting Physicians—Drs. J. H. Lee, J. E. Cook, J. P. Sawyer, T. A. Burke.

Visiting Surgeons—Drs. F. E. Bunts and C. A. Hamann.

Visiting Gynecologist—Dr. W. H. Humiston.

Visiting Ophthalmologist—Dr. W. E. Bruner.

Pathologist—Dr. W. T. Howard, Jr.

HOME OF MATERNITY

Obstetrics—Dr. H. H. Powell.

CONSULTING STAFF AT CITY HOSPITAL

Medicine—Drs. J. H. Lowman, J. E. Darby and C. F. Hoover.

Surgery—Drs. D. P. Allen and F. E. Bunts.

Obstetrics—Dr. H. H. Powell.

Neurology—Dr. H. L. Spence.

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Gynecology—Dr. W. H. Humiston.
Dermatology—Dr. W. T. Corlett.
Pathology—Dr. W. T. Howard, Jr.
Ophthalmology—Dr. C. C. Stuart.
Laryngology—Dr. J. M. Ingersoll.

VISITING STAFF

Drs. C. A. Hamann and H. G. Wagner.

DISPENSARIES

Free Dispensaries are maintained at Lakeside and Charity Hospitals with daily service except Sundays. These college dispensaries were established on the Hurlbut and Huntington Funds and afford treatment to about ten thousand new cases annually.

LAKESIDE HOSPITAL SERVICE

Medicine—Dr. J. H. Lowman, Director; Drs. E. H. Season, G. W. Moorehouse, E. P. Carter and John C. Darby, Physicians in Charge; Dr. P. W. Cobb, Assistant.

Surgery—Dr. D. P. Allen, Director; Drs. H. A. Becker, Chas. E. Briggs, and R. H. Birge, Surgeons in Charge.

Obstetrics—Dr. H. H. Powell, Director; Dr. J. Dickenson, Jr., Obstetrician in Charge.

Diseases of Children—Dr. E. F. Cushing, Director; Drs. J. J. Thomas, and C. Pope, Physicians in Charge.

Gynecology—Dr. H. Robb, Director; Dr. R. H. Sunkle, W. H. Weir, G. Povey and Charles D. Williams, Gynecologists in Charge.

Nervous Diseases—Dr. H. S. Upson, Director; Dr. H. L. Spence, Neurologist in Charge; Dr. F. C. Hutchins, Assistant.

Ophthalmology—Dr. B. L. Millikin, Director; Dr. W. E. Bruner, Ophthalmologist in Charge; Dr. Wm. E. Shakleton, Assistants.

Dermatology and Syphilis—Dr. W. T. Corlett, Director and Physician in Charge; Dr. C. M. Hole, Assistant.

Diseases of Nose, Ear and Throat—Drs. J. M. Ingersoll and William R. Lincoln, Surgeons in Charge; Drs. J. M. Waugh, Wm. B. Chamberlin and I. A. Elson, Assistants.

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CHARITY HOSPITAL SERVICE

Medicine—Dr. J. P. Sawyer, Director; Drs. W. O. Osborne and W. H. Merriam, Physicians in Charge.

Surgery—Dr. F. E. Bunts, Director; Drs. Fred C. Herrick and J. Dickenson, Jr., Surgeons in Charge.

Gynecology—Dr. W. H. Humiston, Director; O. T. Thomas, Gynecologist in Charge.

Ophthalmology—Dr. Wm. E. Bruner, Director; C. C. Stuart, M. D., Assistant in Charge.

HOME OF MATERNITY

Obstetrics—Dr. H. H. Powell, Director; Drs. J. J. Thomas and F. C. Clark, Obstetricians in Charge; Dr. J. Dickenson, Jr., Assistant.

DISPENSARY APPOINTMENTS

Members of the third year class remaining in the city during the summer, may be appointed for practical work in the Dispensary, in sections, by applying to the Dean.

EXPENSES

The fees are $125 a year. This amount includes payment for tuition and all laboratory expenses, except the price of anatomical material, breakage and use of oil immersion microscopes, and is due before October twentieth of each year. Students who prefer may pay $75 by October twentieth, and $55 by March fifteenth of the college year. No student shall be permitted to present himself for examination in any branch who has not paid all dues and liabilities. Students who wish to pay for the entire four years' course by October twentieth of their first year, will be allowed a reduction of $50 on the whole amount. A deposit of $2 is required from students in each of the laboratories at the outset, in addition to the tuition fee, to cover breakage. The unused balance of such deposit is returned at the end of the session. A rental of $5.00 per year will be charged for the use of oil immersion microscopes, the students hav-

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ing full use of these instruments during their entire year. Students who prefer may furnish their own microscopes.

Students in Adelbert College taking work in the Medical Department will be charged a laboratory fee in each department, the total fees in no case to exceed the difference between the fees of Adelbert College and the Medical College.

Good board can be procured at from three to five dollars a week, and furnished rooms at from five to ten dollars a month. By forming "clubs" students are able to bring their living expenses considerably below these prices. The janitor at the College building keeps a list of boarding houses for the convenience of students. By an arrangement with Goodrich House, which stands within one block of the College, a gymnasium, with bathing accommodations, is available to the students at a very small cost. At the Y. M. C. A. building, which is near, similar opportunities are afforded.

POST-GRADUATE AND SPECIAL INSTRUGTION

Courses of post-graduate and special instruction for physicians and special students will be given in the various laboratories, commencing about June 1st and lasting from three to six weeks.

PHYSIOLOGY. DR. P. W. COBB. A course of practical physiology, based on the text-book of Practical Physiology used in the regular course. Six half days a week for six weeks. Fee, $20.00. A fee of $5.00 to defray the cost of animals is divided by each set of four.

PHARMACOLOGY. DRS. T. SOLLMANN and R. A. HATCHER. This course will be identical with that given in the pharmacological laboratory during the regular session. It comprises experiments on mammals and frogs, as well as chemical work. Fee, $25.00.

Research work may be begun at any time during the year. No fee is charged to competent investigators, beyond the actual cost of material.

PATHOLOGICAL ANATOMY. DR. JOHN A. SIPHER. In this course both gross and histological pathological anatomy will be studied. General problems, such as degeneration and necrosis, inflammation,

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the infectious granulomota, and tumors will be considered first, after which the special pathological anatomy of the various organs will be studied. The laboratory is well supplied with material for the course, which will be entirely practical, the students doing their own staining and mounting. They will be given such further botanical training as they may desire. The class will meet six half days a week for six weeks. Fee, $30.00.

CLINICAL MICROSCOPY. DR. L. W. LADD. This course will include the various methods of examining blood, sputum, urine, fæces, gastric contents, pathological exudates, and in general, the application of the microscope to the diagnosis and the other aspects of clinical medicine. The class will meet three times a week for a period of two hours each meeting, for six weeks. Fee, $30.00.

For further information apply to the instructors in the various courses.

Graduates in medicine may also arrange for courses of clinical instruction in medicine, surgery and the various specialties during the same period by applying to the Dean of the College, or to the men in charge of the various departments.

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APPENDIX

CLASS EXAMINATIONS 1903

VERTEBRATE EMBRYOLOGY

(Write five questions, taking at least one from each group.)

A

1. (*a*) Define briefly maturation, ovulation, fertilization, allantois, chorion frondosum. (*b*) State the fundamental law of biogenesis and cite three phenomena in the embryology of man that coincide with it.

2. (*a*) Give lists of the chief organs arising from each of the three germ layers. (*b*) What is the relation of the coelom to the mesoderm and what are the divisions of the coelom in the adult male?

B

3. Starting with the primary condition of the aortic arches explain the changes by which the adult condition of the large arteries is reached.

4. Describe the symmetrical condition of the venous system and explain the origin of the asymmetrical adult condition.

5. Describe the complete course of the blood, both intra and extra-embryonic, in the fœtus just before birth and the changes which occur at birth.

C

6. Describe the elements in the indifferent internal urinogenital organs, and the changes by which the male and female types arise together with a table of homologies of urogenital organs both internal and external in the two sexes.

D

7. Describe the primary and secondary brain vesicles and the parts of the adult brain arising from each in mammals.

8. Describe the development of the three divisions of the ear, including the ossicles.

BACTERIOLOGY

The examination in this branch was oral and practical, a test tube containing two cultures was given for identification and description.

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ANATOMY

Examinations in anatomy are oral.

HISTOLOGY AND MICROSCOPIC ANATOMY

(Answer five questions. Use drawings and descriptions except in 1 and 4.)

1. Identify the ten slides given you. (These were: pancreas, submaxillary, suprarenal, liver, kidney, testis, uterus, urinary bladder, tonsil, cerebrum.)

2. Describe the structure of the tongue.

3. Describe the structure of the duodenum and state chief differences from stomach and colon.

4. Give a list of the different types of epithelia in the uriniferous tubule and urinary tract and locate each sort.

5. Describe the structure of the adult spermatazoan of homo and outline the more important steps in spermatogenesis.

6. Describe the structure of the ripe Graafian follicle and the leading steps in its development.

7. Describe the structure of the skin in any area and note the difference in volar surfaces and in scalp.

8. Describe the structure of the spinal cord in dorsal region, including location of the tracts and neurocyte areas, with relation of their neurons.

9. Describe the finer structure of the coats of the eye in the visual area.

COMPARATIVE VERTEBRATE ANATOMY

(Select five questions.)

1. (*a*) Give the characteristics distinguishing the five classes of vertebrates. (*b*) Define homology and analogy with examples. (*c*) Define diphyodont, chordata, exoskeleton.

2. Describe the elements of the typical vertebrate skull, stating whether paired or single, cartilage or membrane bone.

3. (*a*) Compare the girdles from standpoint of homology. (*b*) Discuss the theories of the origin of paired appendages.

4. Discuss the parts of the vertebrate brain noting the cavities and modifications of the walls.

5. Discuss the respiratory organs of the air-breathing vertebrates.

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6. Discuss the heart in the vertebrate series.

7. Describe with diagrams the urinogenital system of an amniote, including the cloaca and ducts.

PHYSIOLOGY

(WRITTEN EXAMINATION)

1. State what you know of the place and mode of formation of the colored and colorless corpuscles of the blood. Describe a method of enumerating them. Under what circumstances do changes in their number occur in health?

2. Describe the various methods of estimating the velocity of the blood. State how and explain why the velocity of the blood varies in different parts of the vascular system.

3. Describe in detail the operation necessary for demonstrating the action of the chorda tympani. What are the effects of stimulating the nerve? What are the effects on the salivary glands of stimulating the cervical sympathetic?

4. Give as full an account as you can of the digestion, absorption and metabolism of fat.

5. How can the velocity of the nerve impulse be measured? What are the proofs that an impulse artificially set up is conducted in both directions along a nerve fibre?

6. Mention the groups of fibres in the internal capsule, their origin, destination and function. What are the histological and physiological effects of destruction of the posterior limb of the left internal capsule?

7. Describe the action of the various extrinsic muscles of the eyeball when they contract singly and in groups. What are the effects of paralysis of the third nerve?

PHYSIOLOGY

(PRACTICAL EXAMINATIONS)

Two of the following experiments were assigned to each student after entering the examination room. The candidate is supplied only with such appartus or reagents as he may ask for.

1. Determine the nature of the coloring matter in solutions A and B. (A was methaemoglobin; B haemachromogen.)

2. Take tracings to demonstrate the action of veratrin on the contraction of skeletal muscle.

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3. Determine by Hammerschlag's method the specific gravity of the specimens of blood A and B. (Sp. gr. of A was 1053; of B, 1040.

4. Estimate the amount of urea in the specimen of urine provided.

5. Determine what, if any, pathological substances are present in the specimen of urine provided. (It contained bile pigments and bile acids.)

6. Demonstrate in the frog the phenomenon known as inhibition of the reflexes.

7. Demonstrate on the animal provided the effect of albumoses on the blood pressure.

8. Demonstrate the effect of stimulation of the central end of the sciatic nerve on the blood pressure.

9. Obtain respiratory tracings from the animal provided.

GROSS PATHOLOGICAL ANATOMY

The examination in this branch is oral.

GENERAL PATHOLOGY

An oral examination. The questions included the following subjects: The general principles of pathology, the etiology of infectious and non-infectious diseases, the portals of entrance of microorganisms into the body, the bacterial flora of the body, the bacteria of wound infection, immunity, antitoxins, the etiology and pathological anatomy of typhoid fever, tuberculosis, diphtheria, syphilis, pneumonia, arterio-sclerosis, the pathology of the circulation, etc.

THERAPEUTICS

1. (*a*) Define therapeutics; (*b*) general; (*c*) special; (*d*) rational; (*e*) empyrical; (*f*) natural; (*g*) prophylactic.

2. (*a*) By what methods do antipyreties control temperature? (*b*) Describe the different methods and give examples of each. (*c*) What antipyretic would you suggest in acute rheumatism; (*d*) in pneumonia; (*e*) in typhoid fever?

3. Aconite; (*a*) give active principles; (*b*) preparations; (*c*) dose of each; (*d*) action; (*e*) indications for use. (*f*) Give symptoms and treatment for poisoning.

4. Digitalis: (*a*) give active principles; (*b*) preparations; (*c*) dose; (*d*) action; (*e*) indications for use. (*f*) Name some synergists as heart tonic; (*g*) as diuretic.

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5. Veratrum Viride: (*a*) Give active principles; (*b*) preparations; (*c*) dose; (*d*) action; (*e*) therapeutic indications.

6. Arsenic: (*a*) Preparations and dose; (*b*) therapeutic indications.

7. Hyoscyamus: (*a*) Active principles; (*b*) action of each; (*c*) therapeutic indications.

8. Write prescription for (*a*) cholera infantum; (*b*) habitual constipation; (*c*) insomnia from worry.

9. Describe symptoms and treatment for poisoning by (*a*) carbolic acid; (*b*) chloral hydrate; (*c*) opium; (*d*) arsenic; (*e*) strychnia.

PHARMACOLOGY

(WRITTEN EXAMINATION, TIME 2½ HOURS)

1. (*a*) Define: Root, herb, plant-parenchyma, cellulose. (*b*) Describe the process of isolating strychnine from a mixture. (*c*) Write (without abbreviations) a prescription for acute articular rheumatism. The prescription must contain a basis, adjuvant and corrective.

2. (*a*) State the different mechanisms by which cumulative action may be explained. (*b*) Give a rule for calculating doses for children. (*c*) Explain the general procedure by which the site of a stimulation is located.

3. (*a*) Describe the effects of caffein, and (*b*) of strychnia, on the circulation.

4. Summarize the actions of (*a*) morphin; (*b*) aconite; (*c*) digitalis (*d*) ergot.

5. State briefly the therapeutic uses of the drugs enumerated in question 4.

6. Write an essay of about 500 words on the physical basis and the physiologic phenomena of salt action.

7. (*a*) Give the Latin name and dose of specimens 1 to 13. (*b*) State whether the specimens 14 to 20 are correctly labeled.

8. Determine the incompatibilities in the three prescriptions submitted to you.

DERMATOLOGY

1. What is eczema? Give clinical varieties, and distinctive features of each.

2. Outline the treatment of syphilis during its whole course. How long would you treat the disease?

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3. Give differentiation between variola and varicella.

4. Give symptoms, pathology and treatment of herpes zoster.

5. Give symptoms, etiology and treatment of scabies. How differentiate from prurigo?

NOSE, THROAT AND EAR

DR. LINCOLN

1. Describe tubercular laryngitis.

2. Describe treatment for chronic pharyngitis.

3. Name the causes of pseudo-membrane in the throat.

DR. INGERSOLL.

1. Discuss atrophic rhinitis.

2. Discuss nasal polypi.

3. Discuss the effect upon the ears of chronic nasal obstruction.

GYNAECOLOGY

THIRD YEAR CLASS

1. What are the different forms of endometritis? How do micro-organisms gain entrance to the endometrium and what are the principal forms found in endometritis?

2. Define and give the etiology and treatment of amenorrhoea, dysmenorrhoea, menorrhagia and sterility.

3. Enumerate the different forms of genital fistulae, with etiology and treatment.

4. Differentiate between a myoma of the uterus, an ovarian tumor and an ascitic accumulation, and give the treatment for the several conditions.

5. What is vaginismus? Give the etiology and treatment.

6. Give the etiology and treatment of Bartholinitis.

7. Define prolapsus of the uterus, stating the different forms, etiology and treatment.

8. What is pruritus of the vulva? Give etiology and treatment.

9. What is meant by retroflexion ad retroversion of the uterus? Give etiology, symptoms and treatment.

10. What are the symptoms and physical signs of malignant disease of the uterus and of the cervix? What treatment would you advise? How is the condition to be differentiated from myoma of the uterus?

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PRINCIPLES OF SURGERY

THIRD YEAR, 1903.

DR. BUNTS.

1. How are bacteria eliminated from the body? Name the principal pyogenic bacteria.

2. Describe the minute changes which take place in inflammation, terminating in resolution.

3. (*a*) What is gangrene? (*b*) What is ulceration? (*c*) What determines whether gangrene is moist or dry?

4. Define (*a*) sequestrum; (*b*) involucrum; (*c*) caries; (*d*) cold abscess.

5. Give indications for treatment of inflammation.

6. What is traumatic fever? Give its cause. Give prognosis and treatment.

7. What is an aneurysm? What is an active clot? What is a passive clot? Which is most favorable for permanent cure of an aneurysm?

8. Give microbic cause of tetanus, charbon, glanders, erysipelas.

9. How would you treat a lacerated wound?

10. How would you apply moist heat to a wound?

CLINICAL MICROSCOPY

*1. Stain, describe and diagnose the blood smears given you, stating reasons for your diagnosis. Two specimens given each.

2. Describe the method of making a white blood count, stating how you make your dilutions and the various steps you pass through in order to reach the final result. Draw diagrams wherever necessary in order to make your statements plain. Errors to be avoided and which if not avoided would spoil your result. Normal count. Relative percentage of the various kinds of leucocytes in normal blood.

3. Define the terms leucopenia, poikilocytosis, polychromatophilic staining, punctate basophilia.

4. The Widal test—its usefulness as an aid to diagnosis of typhoid fever. How soon is it of value? How long does the reaction last? What amount of time should be allowed for the reaction? What

*(1) (Pernicious anemia), (2) eosinophilia, (3) Lymphatic Leukaemia, (4) spleno-myelogenous Leukaemia, (5) von Jaksch anemia, (6) tertia malaria, (7) aestivo autumnal malaria. This represents the various kinds of blood given, two different varieties being given to each man.

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dilutions are used and precautions to be observed in performing the test in order that your results shall be accurate?

5. Give the general characteristics of the urine in the following diseases: Tubercular cystitis, pyo nephrosis, chronic interstitial nephritis, diabetes insipidus.

6. (Given the general characteristics of the urine) what renal condition would you expect to be present from an examination of the given sediment?

MEDICINE

DR. SAWYER

1. Diabetes Mellitus: Give brief account of the (*a*) early symptoms; (*b*) the various pathological conditions present which have been suggested as possible causes; (*c*) the classification of cases; (*d*) the prognosis of each class; (*e*) the complications likely to develop; (*f*) the treatment.

2. Rheumatism, Acute Polyarticular: Give briefly your idea of (*a*) etiology; (*b*) clinical course; (*c*) complications; (*d*) treatment.

3. Ulcer of Stomach: (*a*) Classify cases; (*b*) give various pathological conditions resulting from or developing out of gastric ulcer; (*c*) give differential diagnosis; (*d*) give treatment.

4. Tuberculosis: (*a*) Give development of tubercular infection. (*b*) What is meant by a "mixed infection," and (*c*) what are its symptoms? (*d*) Give your idea of the prognosis of early cases under favorable conditions, and (*e*) name those conditions and other treatment.

DR. LOWMAN

1. Jaundice: (*a*) Definition; (*b*) Symptoms; (*c*) Distinction between obstructive and toxic jaundice; (*d*) What is grave jaundice? (*e*) Causes of obstructive jaundice? (*f*) Test for bile in the urine and blood.

2. Typhoid Fever: (*a*) What is the diagnostic value of the serum reaction? (*b*) What is the diagnostic value of the diazo reaction? (*c*) Describe the method of making the above tests; (*d*) What is the value in diagnosis of iliac tenderness, chills, hemorrhage, white blood count, temperature? (*e*) What is the peculiar behavior of the tongue, abdomen, bowels, liver, pulse, skin, spleen in typhoid fever? (*f*) State immediate causes of death in typhoid fever.

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3. Pneumo-pyo-thorax: (*a*) Differential diagnosis; (*b*) Causes; (*c*) Treatment.

4. Mitral Stenosis: (*a*) What is the form of the heart as outlined by percussion in M.-S.? (*b*) What murmur is present and how is it caused? (*c*) What is the behavior of the heart as to rhythm and force? (*d*) What are some of the remote systemic effects?

5. Rheumatism: (*a*) Name different forms; (*b*) Describe the course of acute articular rheumatism; (*c*) What are the chief dangers and complications? (*d*) Treatment in full.

PHYSICAL DIAGNOSIS

Examination in physical diagnosis is oral and clinical.

SURGERY

DR. ALLEN

1. Indications in detail for treatment of patient in condition of shock, suffering from compound fracture.

2. Palmar abscess. Its diagnosis, dangers and treatment.

3. In infected and suppurating kidney what bacteria may be found? What are the most common? Describe laboratory methods by which two of them may be distinguished.

4. Empyema. Its diagnosis. Its course if unoperated. Indications for and methods of operating.

5. Aneurism. Its varieties. Methods of treatment.

6. Infection of knee joint. Its causes, dangers, treatment and prognosis.

7. Distinguish between syphilis and tuberculosis of the testicle.

8. Hip joint disease. Its diagnosis and treatment in children.

9. Symptoms indicating the presence of gall stones.

10. The treatment of gun-shot wound of the thigh, uncomplicated by fracture with ball remaining in the tissues.

DR. BUNTS

1. Differentiate between fracture of neck of humerus and subcoracoid dislocation.

2. What are the indications for treatment in dislocation? What impediments to reduction may occur in old dislocations?

3. Differentiate between contusion and compression of the brain.

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4. Give clinical and histological differences between benign and malignant tumors.

5. Describe (*a*) hip joint amputation; (*b*) amputation at mid-leg; select one. (*c*) Operation for appendicitis; (*d*) operation for inguinal colostomy; select one.

OBSTETRICS

1. Give the differential diagnosis of pregnancy.

2. Give the foetal circulation.

3. Give the diagnosis of the third position of the foetus and the usual mechanism in delivery.

4. Give the management of a breech case without complications.

5. Give the diagnosis and management of inevitable abortion.

6. Give the causes of postpartum hemorrhage.

7. Give the various micro-organisms known to produce puerperal infection, and mention the various forms of infections.

8. Give the forms of pelvic deformities most frequently met with.

OPHTHALMOLOGY

1. Give the symptoms and muscle affected in case of paralysis of the sixth nerve. Same in case of third nerve.

2. Give differential diagnosis between acute conjunctivitis, scleritis, iritis and acute glaucoma.

3. Give indications for use of atropine, homatropine and eserine. Also dose internally of atropine, strychnine, bichloride of mercury and iodide of potash.

4. Give the varieties of ulceration of the cornea. Give full treatment for a perforating ulcer and give its possible sequela.

5. Name the various errors of refraction and give the kind of glass necessary to correct each.

GYNAECOLOGY

FOURTH YEAR CLASS

DR. ROBB

1. Under what circumstances are a dilatation of the cervix and curetting of the uterus indicated?

2. What are the dangers to be avoided in this procedure?

3. Give the palliative operative treatment for cancer of the cervix uteri.

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4. Give indications for suspension of uterus and the various steps of the operation.

5. Give etiology of perineal tears with classification and treatment.

6. Under what conditions is a vaginal incision advisable? State the manner of performing the same.

7. What are the causes of prolapsus of uterus and what is the operative treatment?

8. What operation is most suitable for a cystocele? When is it indicated, and how is it performed?

The examinations are partly oral and partly written. The method is to divide the ground covered during the year into about one hundred questions. The class is divided up into ten sections, each of which receives a different set of ten questions, so that as a consequence only two or three men will have precisely the same.

DR. HUMISTON

1. (*a*) What is an erosion of the cervix? (*b*) Differentiate between it and beginning carcinoma.

2. What is gonorrhoeal vaginitis, and how would you treat it?

3. What is a retroversion of the uterus? A retroflexion?

4. Give the indications for curettage.

5. Differentiate between senile endometritis and carcinoma of the uterus.

6. What is an extra uterine pregnancy? Give the symptoms after ruptured tubal pregnancy.

7. Name the tumor formations occurring in the uterus.

8. What is meant by prolapsus uteri?

9. What is a rectocele and what are the determining factors in its causation?

10. Differentiate between a pregnancy of five months gestation and a fibroid of the uterus whose growth would equal the size of the former.

PEDIATRICS

1. Diet lists for a child at 18 months and at 2½ years. Diet for the first days of an attack of gastro-enteritis in infancy.

2. Symptoms and treatment of congenital heart disease.

3. Symptoms and differential diagnosis of tubercular meningitis.

4. Detail of treatment, isolation and disinfection in scarlet fever.

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NEUROLOGY

1. What are the causes of facial paralysis?
2. Describe the ocular symptoms of tabes dorsalis.
3. Give the symptoms of melancholia.
4. What are the causes of drop-wrist, and how is it tested electrically?
5. How should epilepsy be treated?

HYGIENE AND PREVENTIVE MEDICINE

1. Give the measures which can be taken to prevent and limit the spread of scarlet fever.
2. Give the time of incubation in small-pox.
3. What are some of the channels by which the typhoid bacillus gains entrance to the body?
4. How would you manage a case of diphtheria to prevent others from having it?
5. How would you determine water to be safe to drink?

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THE FRANKLIN T. BACKUS LAW SCHOOL

HISTORICAL STATEMENT

THE Franklin T. Backus Law School of Western Reserve University was founded in the year 1892. Its first class entered the school in September of that year. During the first two years it was located in rented quarters at the corner of Euclid Avenue and Adelbert Street. In the fall of 1894 the school was removed to temporary quarters in Adelbert Hall, where it remained for two years. In 1896 the stone building now occupied by the school was erected. It contains, in addition to large halls, four rooms of equal size, twenty-five by forty feet, inside measurement. One of these rooms is fitted up for a library and reading room, and the other three are used for recitation work. Each recitation room is furnished with individual tables so constructed as to enable the students to take notes with as little inconvenience as possible. The basement is furnished with toilet, locker and smoking rooms. Each student is furnished a locker for the keeping of his coat, books, etc. The building is so constructed as to allow the erection of a large addition whenever the needs of the school shall require it.

In 1892 the library numbered about five hundred volumes. Today it numbers thirteen thousand volumes and is one of the largest law school libraries west of New York.

In 1892 nine lectures a week were given; now there are given fifty lectures a week, and the number of the members of the faculty has grown from five to nineteen.

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When the school was first opened candidates for a degree were required to have but little more than a common school education. Nearly all the law schools in the country, including some of the oldest and most prominent, demanded no more. In 1900 the requirements of candidates for a degree were raised to the requirements for entering college.

In 1893 Mrs. Franklin T. Backus, of Cleveland, Ohio, provided an endowment for the school and the name of the school was then changed from the "Law School of Western Reserve University" to the "Franklin T. Backus Law School of Western Reserve University" in honor of a man who, during his life, was one of the leaders of the Ohio bar and who always took the deepest interest in all matters pertaining to legal education.

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FACULTY

CHARLES F. THWING, D. D., LL. D., 55 Bellflower Av.
President.

CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.
Professor of the Law of Real Property.

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.
Professor of the Law of Contracts and Equity Jurisdiction, Dean of the Faculty.

HENRY CLAY WHITE, A. M., 344 Harkness Av.
Professor of the Law of Wills and Estates.

HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.
Professor of Constitutional Law.

ALEXANDER HADDEN, A. B., 1670 Lexington Av.
Professor of the Law of Crimes, Criminal Procedure, and Damages.

ARTHUR ADELBERT STEARNS, A M., 87 Oakdale St.
Professor of the Law of Suretyship and Mortgage.

JAMES LAWRENCE, A. B., 709 Genesee Av.
Professor of the Law of Public and Private Corporations.

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.
Professor of the Law of Pleading and Practice.

PAUL HOWLAND, A. M., LL. B., Huron Terrace.
Professor of the Law of Pleading and Partnership.

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.
Professor of the Law of Agency and Bills and Notes.

FRANCIS RUFUS HERRICK, A. B., 449 Russell Av.
Professor of the Law of Torts.

FRANK BEVERLY WILLIAMS, A. M., LL. B., 59 The Morris.
Professor of the Law of Evidence and Trusts.

FREDERICK WILLIAM GREEN, LL. B., Rice Av., Newburgh.
Instructor of the Law of Sales.

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CLAYTON KING FAUVER, Ph. B., LL. B., 727 Case Av.
Instuctor of the Law of Torts and Sales, and Instructor in charge of Review Work.

ROLLIN ABBOTT WILBUR, LL. B., 820 Fairmount St.
Instructor of the Law of Contracts, Carriers, and Suretyship and Mortgage.

JAMES ALBERT FORD, A. B., LL. B., 126 Ingleside Av.
Instructor of the Law of Personal Property and Pleading.

FRANK MACMILLAN COBB, A. B., LL. B., 2509 Euclid Av.
Instructor of the Law of Agency.

HAROLD REMMINGTON, A. B., 425 Rosedale Av.
Lecturer on the Law of Bankruptcy.

FRANCIS L. TROWBRIDGE, 84 Miles Av.
Librarian.

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STUDENTS

POST GRADUATE STUDENTS

Joseph Harvey Kitchen, A. B., Yale, 1899; LL. B., Western Reserve University, 1903.	*Cleveland*	858 Euclid Av.
Ernest Schwartz, LL. B., Western Reserve University, 1903.	*Cleveland*	25 McKinstry St.

POST GRADUATE STUDENTS, 2.

THIRD YEAR CLASS

John Alvin Alburn, A. B., Adelbert, 1902.	*Youngstown*	Eldred Hall.
Max Leonard Bernsteen, Adelbert, 1899-1901.	*Cleveland*	67 Fifth Av.
Clinton Lorrin Case, B. S., New South Lyme Institute, 1901.	*Greensburg*	995 Doan St.
Allen Sidney Davis, B. S., Denison University, 1900.	*Columbus*	131 Murray Hill Av.
Fred Desberg,	*Cleveland*	1050 Central Av.
Walter Thomas Dunmore, A. B., Oberlin, 1899.	*Cleveland*	255 Streator Av.
David Edward Green, B. S., Denison University, 1901.	*Renrock*	131 Murray Hill Av.
Ben Haber, B. L., Adelbert, 1901.	*Cleveland*	8 Lewiston St.
Theodore Hall, Jr., A. B., Adelbert, 1901.	*Ashtabula*	156 Murray Hill Av.
Calvin Jenison Hinds, Jr.,	*Girard, Pa.*	261 Van Ness Av.
Morris William Kastriner, A. B., Adelbert, 1901.	*Cleveland*	731 Scovill Av.
William Kurzenberger,	*Cleveland*	72 Noyes St.
Henry Lustig,	*Cleveland*	2773 Broadway.
Eugene Curie Mathievet, Adelbert, 1900-01.	*Cleveland*	98 Tilden Av.
Walter Charles McClure, A. B., Wooster University, 1901.	*Wooster*	30 Bell Av.
Herman Joel Nord, Ph. B., Adelbert, 1902.	*Giddings*	Eldred Hall.
Harrington Simpson,	*Akron*	38 Quebec St.
Edward P. Strong,	*Cleveland*	486 Lake St.

TOTAL THIRD YEAR, 18.

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SECOND YEAR CLASS

Edwin Clare Caldwell, A. B., Adelbert, 1902.	*Warren*	Adelbert Hall.
Frank Amadeus Carabin,	*Monroeville*	117 Adelbert St.
Edward Joseph Cherney, Denison, 1901-02.	*Cleveland*	57 Woodland Ct.
Norman Taylor Clyne,	*Cleveland*	309 Franklin Av.
Richard Emmet Collins, Ph. B., Adelbert, 1902.	*Cleveland*	1934 Woodland Hills Av
Maurice Wilbur Crafts, Ph. B., Kenyon, 1902.	*Burton*	134 Murray Hill Av.
Frank Brown Evarts, A. B., Adelbert, 1902.	*Cleveland*	29 Bellflower Av.
Benjamin Feniger, University of Chicago, 1900-01.	*Cleveland*	512 Orange St.
William Hamilton Gillie, Adelbert, 1902-03.	*Twinsburg*	117 Adelbert St.
George Elwood Hartshorn, B. L., Denison University, 1902.	*Newark*	130 Murray Hill Av.
Walter Albert Laughren,	*Cleveland*	1571 Woodland Av.
Kline Fetterman Leet, Ph. B., Mt. Union, 1899.	*Cleveland*	20 Lake View Av.
James Metzenbaum,	*Cleveland*	1117 Case Av.
Roy Ryburn Moffett, Ph. B., Adelbert, 1902.	*Cleveland*	715 North Logan Av.
Charles Augustus Morris, A. B., Adelbert, 1902.	*Cleveland*	189 West Madison Av.
Adrian G. Newcomb, Baldwin University, 1897-1900.	*Berea*	Adelbert Hall.
George Arthur Phillips, A. B., Oberlin, 1902.	*Chardon*	The Pelton.
Carl Adolph Riemenschneider, Adelbert, 1901-1902.	*Cleveland*	161 Beechwood Av.
Edward Henry Sensel, A. B., Adelbert, 1902.	*Cleveland*	124 Putman St.
John William Smith, A. B., Ohio Wesleyan, 1902.	*Cleveland*	3033 Euclid Av.
Ralph Rensselaer Snow, A. B., Bucknell, 1894.	*East Cleveland*	55 Belmore Rd.
Loren Edmunds Souers,	*New Philadelphia*	Cedar and Watkins.
Owen N. Wilcox, B. L., Adelbert, 1902.	*Cleveland*	59 Olive St.

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James Victor Wolcott, Adelbert, 1901-02.	*East Cleveland*	72 Grasmere St.
Lawrence Emanuel Yaggi, Mt. Union, 1899-1902.	*Alliance*	77 Hough Av.
Henry Young,	*Norwalk*	Adelbert Hall.

TOTAL SECOND YEAR, 26.

FIRST YEAR CLASS

James Lyman Amerman, Mt. Union, 1900-03.	*Alliance*	33 Vienna St.
Maurice Bernstein,	*Cleveland*	65 Scovill Av.
John Clayton Barkley, A. B., Allegheny, 1902.	*Phalanx Sta.*	1406 Lexington Av.
John Witmer Blackburn, Adelbert, 1900-03.	*Wellsville*	116 Streator Av.
John W. Camp,	*Salem*	128 Vine St.
Homer Charles Campbell, A. B., Adelbert, 1903.	*Akron*	24 Windemere St., E. C.
Albert Franklin Counts, Adelbert, 1900-03.	*Sidney*	Adelbert Hall.
Edward Perrin Cole, A. B. Oberlin, 1903.	*West Middlesex, Pa.*	130 Murray Hill Av.
John Adam Eisenhauer, Jr., Adelbert, 1900-03.	*Cleveland*	1433 Willson Av.
Rudolph Leon Fischel,	*Cleveland*	527 Kennard St.
Reuben Alfred Ford, Kenyon, 1900-02.	*Chicago, Ill.*	2132 Euclid Av.
Hugh Warren Hastings,	*St. Johnsbury, Vt.*	28 Mayfield St.
Walter Scott Jackson, A. B., Kenyon, 1903.	*Lima*	Adelbert Hall.
Samuel Kabatchnick,	*Cleveland*	52 Brookdale St.
Clyde Thompson Kirkbride, Mt. Union, 1900-01.	*Deerfield*	135 Streator Av.
John Roscoe Morgan, A. B., Oberlin, 1903.	*Oak Hill*	130 Murray Hill Av.
Auverne Selwyn Mann Oberlin, 1900-03.	*Warren*	1785 Cedar Av.
Lloyd McWilliams, Jesuit College, 1901-02.	*Detroit, Mich.*	809 Fairmount St.
William Thomson Nimmons, Adelbert, 1901-03.	*Lincoln, Kas.*	127 Murray Hill Av.

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Arthur Price Nutt, Adelbert, 1900-03.	*Sidney*	127 Murray Hill Av.
Bernard Edmund O'Connor, St. Gregory's Seminary, 1900.	*Lima*	4 Streator Pl.
John Henry Aloysius O'Connor, St. Gregory's Seminary, 1901.	*Lima*	4 Streator Pl.
Frank Herson Pelton, Adelbert, 1900-03.	*Willoughby*	102 Adelbert St.
Ulrich John Pfeiffer, Adelbert, 1900-03.	*Kenton*	102 Adelbert St.
Herbert Allen Quayle,	*Cleveland*	290 Sibley St.
Ernst Laughlin Skeel, A. B., Ohio Wesleyan, 1903.	*Cleveland*	881 Stark St.
Glenn Van Horn Saltzgaber, University of Tennessee, 1900-01.	*Van Wert*	2071 Doan St.
Harris Cooper Shannon, A. B., Harvard, 1903.	*Wakeman*	2298 Euclid Av.
Maurice Vinton Semple, Adelbert, 1902-03.	*Ashland*	156 Murray Hill Av.
William Sperry Searles, A B., Yale, 1903.	*Cleveland*	The Manhattan.
Clayton Williamson Tyler,	*Lakewood*	25 Grace Av.
Walter Knapp Tompkins, A. B., Princeton, 1903.	*Cleveland*	149 Cedar Av.
Joseph Frank Williams, Adelbert, 1900-03.	*Youngstown*	143 Cornell St.
Schuyler James Wallace, Ph. B., Mt. Union, 1903.	*Northfield*	Northfield.
Raymond Warner, Adelbert, 1900-03.	*Geneva*	Adelbert Hall.
John Cook Winters, B. S., Richmond College, 1898.	*Steubenville*	2071 Doan St.
Robert Algar Woolfolk, Adelbert, 1900-03.	*Danville, Va.*	156 Murray Hill Av.
Floyd Edward Waite,	*Akron*	785 Superior St.
Harvey Overholt Yoder, B. S., Ohio Wesleyan, 1903.	*Wadsworth*	45 Fairchild St.
Don John Young,	*Norwalk*	Adelbert Hall.

TOTAL FIRST YEAR CLASS, 40

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SPECIAL STUDENTS

Charles Taylor Austin, Ph. B., Mt. Union, 1900.	*New Baltimore*	135 Streator Av.
Milton Bejach,	*Cleveland*	72 Van Buren St.
Charles Payne Burgeon,	*Fremont*	134 Murray Hill Av.
French Crow,	*Marion*	151 Cornell St.
Theobald Oliver Dakin, B. S, Wilmington College, 1900.	*Sabina*	134 Murray Hill Av.
Staney Frank Dembowski,	*Cleveland*	36 Colley St.
Albert Irving Doerr,	*Erie, Pa.*	142 Cornell St.
David Franklin Felmley,	*Cuyahoga Falls*	255 Streator Av.
Charles Lewis Hardesty, University of Pennsylvania, 1900-02.	*Youngstown*	203 Adelbert St.
Harold Morley Hitchcock, Yale, 1900-01.	*Cleveland*	861 Prospect St.
Ernest True Hall,	*Lakewood*	3218 Detroit St.
Hugh Edmund Hawthorne, Ph. B., Adelbert, 1900.	*Cambridge*	809 Fairmount St.
John Henry Hogg,	*Glenville*	2638 St. Clair St.
Raymond Willis Jarecki,	*Sandusky*	63 Deering St.
Max Elie Katz,	*Cleveland*	241 Beech St.
Edward Phillip Kadlecek,	*Cleveland*	1445 Central Av.
Edward Indice Lawrence,	*Glouster*	4 Streator Pl.
John Gildea Murphy,	*Cleveland*	1139 Superior St.
Roscoe Conkling McCulloch, Ohio State University, 1899-1900; Wooster University 1901-02.	*Canton*	Adelbert Hall.
Leon Lewis Robinson,	*Novelty*	805 Fairmount St.
Benjamin Otto Shulman,	*Youngstown*	14 Stranwood St.
Frank Allman Stone,	*Steubenville*	2071 Doan St.
George Alonzo Waddle, A. B., Bethany College, 1900.	*Brilliant*	2071 Doan St.
John Vincent Zottarelli,	*Cleveland*	46 Fairview Av.

TOTAL SPECIAL STUDENTS, 24.

SUMMARY

Post Graduate	2
Third Year	18
Second Year	26
First Year	40
Special Students	24
	110.

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REQUIREMENTS FOR ADMISSION

Each person entering the school, whether a candidate for a degree or not, must present a certificate of good moral character.

Candidates for the degree of LL. B. must be college graduates or matriculates, graduates of high schools of approved standing, or must pass the entrance examinations given by colleges of approved standing.

Persons not candidates for a degree may be admitted to the school as special students at any time without examination upon satisfying the Faculty that they are able to carry on the work to advantage.

COURSE OF INSTRUCTION

First Year

Contracts. Lectures and Langdell's Cases, embracing the topics of mutual assent, consideration, and conditional contracts. Two hours each week throughout the year. Professor Hopkins.

Common Law Pleading. Lectures and Ames's Cases on Pleading, embracing demurrers, pleas by way of confession and avoidance, pleas by way of traverse, duplicity, departure, new assignment, and motions based on pleadings. Two hours each week during last half-year. Professor Howland.

Criminal Law. Lectures and Clark and Marshall's Criminal Law. Two hours each week. Professor Hadden.

Property. I. Lectures and Tiedeman on Real Property. Two hours each week. Professor Pennewell.

Property II. Lectures and Vols. I and III, Gray's Cases on Property, embracing distinction between real and personal property, nature and acquisition of rights, suits for the recovery of personal property, acquisition of rights not under former owner, transfer of rights and possession. Introduction to real property, acquisition inter-vivos, alluvion, statute of limitations, conveyance, dedication. Two hours each week. Mr. Ford.

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TORTS. Lectures and Ames's and Smith's Cases, embracing trespass, disseisin and conversion, defamation, malicious prosecution, conspiracy, legal cause, negligence, contributory and imputed negligence, degrees of care, extra-hazardous occupations, liability from fire and explosives, deceit, merger, joint wrong-doers, and distinction between tort and breach of contract. Three hours each week throughout the year. Professor Herrick and Mr. Fauver.

HISTORY OF COMMON LAW PROCEDURE. Lectures and selected readings from Pollock and Maitland's History of English Law, Bigelow's History of Procedure, Maitland's Domesday Book and Beyond, Inderwick's The King's Peace, Stubb's Constitutional History of England, Coke's Institutes, Blackstone's Commentaries, and Stephen on Pleading. Two hours each week during the first-half of the first-half-year. Mr. Fauver.

SECOND YEAR

AGENCY. Lectures and Wambaugh's Cases, embracing introductory topics, the agent's power to subject his principal to liabilities, the agent's responsibility to strangers, parties to writings, undisclosed principal, the principal's duties to the agent, delegation by an agent, termination of agency, and ratification. Two hours each week. Mr. Cobb.

BILLS AND NOTES. Lectures and Ames' Cases on Bills and Notes, embracing formal requisites, acceptance, indorsement, transfer, extinguishment, obligations of parties to bills and notes, diligence, bill or note in the nature of a specialty, checks, negotiable paper other than bills, notes and checks. Two hours each week. Professor Chapman.

EQUITY PLEADING. Cases and Lectures. Two hours each week during first half-year. Mr. Ford.

EVIDENCE. Lectures and Thayer's Cases, embracing preliminary topics, leading principles and rules of exclusion, qualifications and exceptions to the rule against hearsay, real evidence, writings and witnesses. Two hours each week. Professor Williams.

CODE PLEADING. Cases and Lectures. Two hours each week during last half-year. Mr. Ford.

SALES. Lectures and Williston's Cases, embracing subject matter of sale, executed and executory sales, stoppage in transitu, fraud and related matters, warranty, and Statute of Frauds. Two hours each week. Mr. Fauver.

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WILLS AND ESTATES. Lectures and Page on Wills. Two hours each week. Professor White.

TRUSTS. Lectures and Ames's Cases, embracing voluntary trusts, language and formalities necessary to the creation of a trust, resulting trusts, oral trusts, constructive trusts, executed and executory trusts. Nature of a cestui que trust's interest in the trust property, and the interest of a trustee. Two hours each week. Professor Williams.

CONTRACTS. Lectures and Williston's Cases, embracing impossible contracts, illegal contracts, joint obligations, discharge of contracts and assignment of contract. Also, Keener's Cases on Quasi-Contracts, embracing nature of the obligation, failure of consideration, benefits conferred without request, benefits conferred at request but in the creation or performance of a contract, recovery of money paid under compulsion and waiver of tort. Two hours each week. Mr. Wilbur.

THIRD YEAR

CONSTITUTIONAL LAW. Lectures and Thayer's Cases, embracing constitution of government, making and changing written constitutions, the jurisdiction of the United States, citizenship, police power, eminent domain, taxation, ex post facto and retroactive laws, state laws impairing the obligation of contracts, regulation of commerce, money and war. Three hours each week. Professor Johnson.

EQUITY JURISDICTION. Lectures and Ames's Cases on Equity Jurisdiction. Two hours each week. Professor Hopkins.

SURETYSHIP AND MORTGAGES. Lectures and selected cases. Two hours each week. Mr. Wilbur.

DAMAGES. Lectures and Beale's Cases, embracing functions of court and jury in estimating damages, exemplary, liquidated and nominal damages, direct and consequential damages, avoidable consequences, counsel fees, certainty, compensation, damages for non-pecuniary injuries, values, interest, damages in certain actions of tort and on contracts. One hour each week during first half-year. Professor Hadden.

CRIMINAL PROCEDURE. Lectures and Beale on Criminal Procedure. One hour each week during second half-year. Professor Hadden.

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PARTNERSHIP. Lectures and Ames's Cases, embracing the creation of a partnership, quasi or nominal partners, partnership property and the interest of a partner therein, the separate property of a partner as affected by the partnership relation, the relation of debtor and creditor between a partnership and a partner, the relation of debtor and creditor between two firms having a common member, action between a partner and one or more of his co-partners, and power of a partner to act in behalf of the partnership. Two hours each week during first half-year. Professor Howland.

CORPORATIONS. Lectures and Elliott's Cases. Two hours each week. Professor Lawrence.

COMMON CARRIERS. Lectures and McClain's Cases, embracing public callings, carriers of goods, and carriers of passengers. Two hours each week during first half-year. Mr. Wilbur.

CONFLICT OF LAWS. Lectures and assigned cases. Two hours each week last half-year. Mr. Wilbur.

PLEADINGS AND PRACTICE IN OHIO, including the drawing of deeds, mortgages, wills, etc., as well as pleadings. Two hours each week. Professor Hopkins.

LEGAL ETHICS. Lectures. One hour each week for ten weeks. Professor Hopkins.

REVIEW of subjects embraced in examinations for admission to the Ohio Bar. Three hours each week. Mr. Fauver.

BANKRUPTCY. Lectures on the History, Theory and Practice of Bankruptcy Law with consideration and discussion of the different statutes and the Supreme Court general orders, and the decisions of the courts in the interpretation and construction of the statutes. Mr. Remington.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

MOOT COURT WORK

The Junior Moot Court Association of Western Reserve Law School, composed of members of the junior class, holds court weekly, sitting as a justice of the peace court, some attorney acting as justice, with members of the class as the other court officers, attorneys, litigants, etc. The term of court is four weeks and an entirely new set of officers acts for each term, giving all the members an opportunity of becoming familiar with the duties of each office.

The cases are based upon actual facts and the trials are conducted in all respects like those in the regular courts.

The third year course in pleading and practice is conducted in part as a moot court course. Cases are tried in the manner prevailing in the common pleas court.

Special attention is paid to the several steps in the course of trial, such as summoning and impanelling jury, statement of case, examination of witnesses, taking of exceptions, making of motions, argument, preparation of charge to jury, verdict, judgment, motion for new trial, bill of exceptions and petition in error.

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EXAMINATIONS

Candidates for the degree of LL. B. must attend the school at least two years, and must pass satisfactory examinations in all the subjects of the first year and in enough courses of the second year to aggregate ten hours a week, and of the third year to aggregate eleven hours a week. If a student is absent a year he must take the examinations in the subjects of that year at the school with the class.

At the beginning of the school year an examination on the subjects of the first year will be held for the benefit of such students as may desire to enter the second year class.

LOCATION OF THE SCHOOL

The work of the school is carried on in a stone building of tasteful architecture erected for it on Adelbert Street opposite the Adelbert College Campus. The building contains a library and reading room, several large lecture rooms and rooms where students can meet socially. Individual lockers and other appropriate conveniences are provided for the students.

LIBRARIES

The Law School has a library containing a large collection of the leading text-books, an almost complete collection of the English Reports, and the Reports of the Courts of last resort of every state and territory together with the reports of the Supreme and Circuit Courts of the United States. Students also have the use of Hatch Library which is located near the school and contains fifty thousand volumes. They also have free access to the Cleveland Public Library of almost one hundred and fifty thousand volumes. The library facilities offered students are therefore abundant. The Law School Library is open daily from 8 a. m. until 5:30 p. m., and on four evenings each week from 5:30 p. m. to 9:30 p. m.

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UNIVERSITY ADVANTAGES

Students of the Law School are admitted without extra charge to such classes in Adelbert College and the Graduate School as they are fitted to enter. They also have the privilege of attending many public lectures given at Adelbert College, the College for Women, and Case School of Applied Science.

EXPENSES

The fee for tuition is one hundred dollars a year. One-half of this fee is payable at the beginning of the university year, and the other half is payable at the beginning of the second half-year. These fees are to be paid to the Bursar within ten days of the opening of each half-year. For any part of either half-year the tuition fee is fifty dollars. No fees are charged for examination. When paid in advance the fee for the three years will be two hundred and fifty dollars.

Rooms can be secured in the vicinity of the school for from $25 to $75 per year. Table board can be secured for from $2.75 to $4 a week. Text-books used in the classes cost from $17 to $30 a year, but second-hand books can usually be procured at a considerable saving.

SCHOLARSHIPS

A limited number of scholarships may be awarded to meritorious students during the year 1903-04.

For further information address the Dean,

E. H. HOPKINS,
Cleveland, O.

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THE DENTAL COLLEGE

GENERAL STATEMENT

THE Dental Department of Western Reserve University was organized by the Trustees and Medical Faculty of the University in the belief that Dental Surgery should be regarded as a branch of Medicine, and with the purpose of training students to practice it as a medical specialty. It is obvious that such an education tends to broaden the mind and give a keener insight into the basal principles of dentistry. The public also recognizes the better qualifications of a medically educated dentist.

The College is under the control of the University Trustees, and is thus in every sense a part of the University. Its Professors do not control the fees from students, nor do they accept fees for extra courses. The Dean of the College acts as Bursar for the department, to whom the fees are paid and by him transferred to the Treasurer of the University.

The College is active in its endeavors to place Dentistry upon a high plane. It therefore co-operates as a member with the National Association of Dental Faculties, the National Association of Dental Examiners, and the Institute of Dental Pedagogics, and conforms to all the rules of these Associations.

Attention is directed to the fact that there are no extra fees except as hereinafter indicated, but that the general fee covers the expense of laboratory courses in chemistry, histology, physiology, dissection, and bacteriology. The matriculation fee is paid only once, and there is no diploma fee. The College furnishes many instruments for the free

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use of the students, such as vulcanizers, extracting forceps, etc., etc., thus saving considerable expense for every student during the course.

The course is graded and admirably adapted to preparing students for the practice of dentistry. It requires four years of seven months each to complete the course. All of the technical work is performed the first three years. The fourth year is devoted largely to clinical work. The Faculty have decided to require constant attendance each day in the clinics from 9:30 A. M. to 4:30 P. M. from each senior student. This gives an unusual amount of opportunity for practice, and is the outcome of a large and increasing amount of clinical material as well as the desire of the Faculty to give a thoroughly practical education.

The city of Cleveland now numbers over 400,000 inhabitants, and the Dental College is located in the center of the city. This situation insures a large amount of clinical material.

Students have free access to Adelbert Library, the Public Library, and through the proper channels they can gain admission to Case Library. The Young Men's Christian Association dining hall is open to all dental students. Excellent boarding houses are to be found in the neighborhood.

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FACULTY

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Av.
Professor of Operative Dentistry, History of Dentistry, and Oral Hygiene.
Dean of the Faculty.

WILL HENRY WHITSLAR, M. D., D. D. S., 700 Schofield Bldg.
Professor of Pathology.
Secretary and Executive Officer of the Faculty.

GEORGE HENRY WILSON, D. D. S., 701 Schofield Bldg.
Professor of Prosthesis and Metallurgy.

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.
Professor of Materia Medica and Therapeutics.

CARL A. HAMANN, M. D., 661 Prospect St.
Professor of Anatomy and Oral Surgery.

Professor of Chemistry.

DANIEL HENDRIX ZIEGLER, D. D. S., 726 Rose Bldg.
Professor of Clinical Operative Dentistry.

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.
Professor of Operative Technics and Dental Anatomy.

DOUGLAS AUSTIN WRIGHT, D. D. S., 269 Cedar Av.
Professor of Clinical Prosthetic Dentistry.

WESTON A. VALLEAU PRICE, D. D. S., M. E., 2238 Euclid Av.
Professor of Applied Electricity.

ROGER GRISWOLD PERKINS, A. B., M. D., Medical College.
Professor of Bacteriology.

JOHN SHELL TIERNEY, M. D., Rose Bldg.
Assistant Professor of Anatomy.

WILLIAM HAWKSLEY WEIR, M. D., 260 Euclid Av., Kingmore Bldg.
Assistant Professor of Physiology.

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WILLIS SANFORD HOBSON, A. B., M. D., 2238 Euclid Av.
Assistant Professor of Histology.

FREDERICK AUGUSTUS HENRY, M. A., LL. B., Williamson Bldg.
Lecturer on Dental Jurisprudence.

JAMES FREED WARK, D. D. S., 332 Cedar Av.
Demonstrator of Prosthetic Dentistry.

JOSEPH ANSON COATES, D. D. S., 45 Hough Av.
Demonstrator of Operative Dentistry.

CARL HERBERT CLARK, Dental College
Assistant in Histology and Physiology.

PROFESSOR WRIGHT,
Superintendent of Laboratories.

MISS K. G. FRANKLE,
Clerk of Operative Clinic.

MRS. D. A. WRIGHT,
Clerk of Prosthetic Clinic.

WILLIAM CARSON,
Janitor.

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STUDENTS

SENIORS.

Byron Hugo Bowman	*Linesville, Pa.*	156 Dodge St.
Martin Vanburen Boyd	*Cambridge Springs, Pa.*	792 Superior St.
Arthur Ira Brown, M. D.	*Cleveland*	225 Lawn St.
George Humphrey Camp	*Salem*	147 Quinby Av.
Walter B. Challis	*Lisbon*	147 Quinby Av.
Leslie Merle Christie	*Columbus, Pa.*	136 Brownell St.
William Clarence Cooper	*Akron*	1004 Woodland Av.
Will Eugene Culp	*Cleveland*	341 Huron St.
Andrews George Donaldson	*Scroggsfield*	48 Wallace St.
Butler White Donaldson	*South Lorain*	154 North Perry St.
Herbert Hamlin Dowd	*Cleveland*	139 New St.
Harry Dixon	*Warren*	708 Superior St.
Otto Frances Dusek	*Cleveland*	123 Humboldt St.
John William Frasier	*Bridgeport*	The Gladstone.
Loyal Ray Hanyen	*Hastings, Mich.*	20 Haven St.
Ralph Barclay Holeman	*Mill Village, Pa.*	136 Huntington St.
Raymond Edward Jackson	*Grafton*	593 Scovill Av.
Frank Paul Leonard	*Bucyrus*	The Gladstone.
John Francis McDonagh	*Cleveland*	449 W. Madison Av.
Nicholas Newbury Mooney	*Buffalo, N. Y.*	782 Superior St.
Abram Wentworth Ostrander	*Brampton, Ont., Can.*	48 Wallace St.
Joseph Norval Renouf	*Kent*	Kent.
Don Arthur Richards	*Sharon*	222 Brownell St.
Harry Henry Rosenberger	*Tiffin*	Lake Av.
Frank Daniel Segur	*Toledo*	407 Prospect St.
Ossip Solomon Shube	*Russia*	87 Linden St.
John Menzo Simpson	*Dresden, Ont., Can.*	968 Prospect St.
Lauren Lindenberger Smith	*Troy*	831 Prospect St.
Wilbur Allen Smith	*Nova*	Lincoln Hotel.
Tyrell M. Strangways	*Beeton, Ont., Can.*	739 Superior St.
Ross Clayton Unger	*Niles*	779 Case Av.
Carl Henry Wadsworth	*Cooperstown, N. Y.*	1304 Euclid Av.
Edwin Wendell Walker	*Alliance*	156 Dodge St.
Edward Arthur Womachka	*Oxford Junction, Iowa*	155 Swiss St.

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JUNIORS.

Edward Newton Allison	*Princeton, Pa.*	825 Superior St.
James Blaine Atchison	*Salem*	147 Quinby Av.
David Boyd Bebout	*Mechanicstown*	136 Huntington St.
John Rodgers Bentley	*Cleveland*	303 Prospect St.
Hugh Ross Binkard	*Urbana*	831 Prospect St.
Charles Avis Brown	*South Newbury*	523 Prospect St.
Alexander James Clark	*Cornwall, Ont., Can.*	739 Superior St.
Carl Herbert Clark	*Youngstown*	116 Commodore St.
William Steen Deeley	*Sandusky*	178 Herald St.
James Burton Ellis	*Beeton, Ont., Can.*	739 Superior St.
Lee Maro English	*Antrim*	593 Scovill Av.
Don Berry Ford	*Cleveland*	161 Lincoln Av.
Nye White Goodman	*Atwater*	341 Huron St.
Arthur Wiley Haines	*Cleveland*	407 Prospect St.
William Heller	*Orrville*	347 Euclid Av.
Lee Everette Howk	*Wellington*	116 Commodore St.
Frank Henry Huff	*Butler, Pa.*	The Ellington.
Lewis H. Hutchins	*Leamington, Ont., Can.*	111 Wade Av.
Don McKay Kent	*Linesville, Pa.*	12 Dellenbaugh Av.
Alfred Churchill Knapp	*Elyria*	710 Superior St.
Howard Sydney Lawrence	*Lakewood*	Lakewood.
Charles Hiram Maloney	*Penn Line, Pa.*	16 Granger St.
Charles Thomas Magner	*Cleveland*	54 Collins Place.
Clare K. Mattingly	*Hinkley*	Lincoln Hotel.
Harley E. Maxwell	*Wooster*	The Whittaker.
George Cubbison Mitchell	*Grove City, Pa.*	347 Euclid Av.
C. Stuart Mygatt	*Ashtabula*	860 Prospect St.
Milton Dodge Neff	*Cleveland*	45 Archwood St.
Edwin Deroger Phillips	*Conneaut*	710 Superior St.
Willis LeRoy Powell	*Oxbow, N. W. T.*	593 Scovill Av.
John Fred Risch	*Akron*	831 Prospect St.
George William Smith	*Cleveland*	178 Herald St.
Howard Garfield Weber	*Canal Dover*	831 Prospect St.
Clarence Everette Webster	*Ravenna*	508 Prospect St.
Don Vincent Weedman	*Nova*	831 Prospect St.
Harris Reid Cooley Wilson	*Cleveland*	74 Burt St.
Merrill Ladrew Winger	*Orangeville*	798 Republic St.
Frank Zavodsky	*Cleveland*	9 Vergennes St.

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SOPHOMORE.

Benjamin Lipschitz	*New York, N. Y.*	190 Greenwood St.

FRESHMEN.

Frank Lee Anway	*Republic*	89 Handy St.
Thomas Edward Armstrong	*Troy*	Sterlingworth Flats.
Ralph Raymond Bevard	*Canal Fulton*	160 Sixth Av.
Samuel Aaron Druckerman	*Cleveland*	184 Perry St.
Alfred Colin Frost	*East Liverpool*	625 Franklin Av.
Earl Pearson Jones	*Mansfield*	58 Eastman St.
John Charles Kline	*Cleveland*	1379 Lexington Av.
Charles Laurer	*Binghampton, N. Y.*	171 Dodge St.
William Anson Maloney	*Penn Line, Pa.*	16 Granger St.
Benjamin Thomas Maltby	*Saybrook*	22 Wilmington St.
Henry Edwin Moffett	*Cleveland*	1018 Scranton Av.
Bert Byron Pontius	*Akron*	Beckwith Flat.
Arthur Christopher Seids	*Byran*	171 Dodge St.
Henry Frederick Smith	*Brisbane, Ont., Can.*	Hiram House.
Bert Alvin Shriber	*Barberton*	508 Prospect St.

SUMMARY.

Seniors	34
Juniors	38
Sophomores	1
Freshmen	15
Total	88

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REQUIREMENTS FOR ADMISSION

Each candidate for admission must be at least eighteen years of age. The rules for admission and graduation are such as obtain in the National Association of Dental Faculties, of which the College is a member.

The minimum preliminary education required of entrance is a certificate of entrance into the third year of a high school, or its equivalent.

Those who are unable to provide certificates are subject to an examination given by an examiner appointed by the State School Commissioner. An examination which covers the branches required in the first two years of a high school will be given to those who do not present certificates. A list of the studies will be sent to any desiring to prepare for the entrance examination.

This College does not receive women students.

ADMISSION TO ADVANCED STANDING.

Students from recognized dental colleges who present certificates of attendance upon one full course of lectures of at least seven months, and give evidence satisfactory to the heads of the respective departments that they have a good knowledge of the work of the first year will be admitted to the second. Graduates of reputable medical colleges will also be admitted to the work of the second year and will be excused from lectures and examinations upon general anatomy, chemistry, histology, physiology, pathology, materia medica and therapeutics. They will be required, however, to take the course in operative and prosthetic technics, dental pathology and histology.

Applicants for admission to advanced standing from European schools are required, like other applicants, to furnish properly attested evidence of study and of attendance upon lectures, and they must pass the intermediate examina-

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tions. It is required that students from foreign countries present certificates from a member of the Advisory Committee located in the country from which they come. Students from recognized dental schools may enter the senior class only upon evidence of having completed work equivalent to that of the previous year's in this school.

Special Notice.—According to a rule of the National Association of Dental Faculties credit for a full term cannot be given to students who enter more than *ten* days after the opening of the session. But if any student is prevented by sickness from entering within the ten days, and if his sickness is properly certified to by a reputable practicing physician, he can enter not later than twenty days from the opening of the session. Students are requested to be present on the opening day.

Applications for admission may be sent any time to the Secretary, Dr. W. H. Whitslar, 700 Schofield Bldg., who will cheerfully answer any inquiries about the school. As chair in the operatory and places in the laboratory are selected in the order of matriculation and payment of fees, it is advisable that students should have their names registered as early as possible. Names can be registered at any time for the following session. Sophomores, Juniors and Seniors of this college are not required to pay a matriculation fee.

COURSE OF STUDY

The session for 1904-1905 begins on Saturday, October first, and closes on Thursday, June 15.

The course is seven months in each year, but students who graduate in 1904 and 1905 are required to take eight and one-half months in the senior year.

The following table shows the work required in each year and the number of hours a week in each subject.

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FIRST YEAR.

	HOURS PER WEEK.
Chemistry	3—lectures. 6—laboratory.
Osteology	2
General Anatomy	2
General and Dental Histology	1—lecture. 4—laboratory.
Prosthesis	2—lectures. 17½—laboratory.
Dental Anatomy	1

SECOND YEAR

Anatomy—Descriptive	2
Reginal Anatomy	1
Physiology	2
Crown and Bridge Work	1
Operative Technics	12½
Prosthetic Technics	15
Prosthetic Clinics	15
Dissection	

THIRD YEAR

Metallurgy	1
Orthodontia Technics	12½—6 weeks.
Bacteriology	9—6 weeks.
Dental Pathology	1
Embryology and Comparative Odontology	2
Materia Medica	1
Operative Dentistry	2
Operative Clinics	21
Prosthetic Clinics	12½

FOURTH YEAR

Operative Dentistry	2—4 months. 3—4 months.
Operative Clinics	21
Materia-Medica and Therapeutics	1
General Pathology	1
Oral Surgery	1
Anæsthetics	1
Jurisprudence	1
Dental Electricity and Therapeutics	1
Physical Diagnosis	1
Applied Physics	1
Neurology	1
Ceramics	1
Dental History	1
Oral Hygiene	1

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METHODS OF INSTRUCTION AND DESCRIPTION OF COURSES

The methods of instruction consist of lectures, recitations, demonstrations, clinics, and practical work in the chemical, physiological, histological, and bacteriological laboratories. Complete courses are given in the technic of operative and prosthetic dentistry, as well as in orthodontia and steel. Clinical material is abundant and in great variety.

During the hours for clinics the demonstrators in charge devote their whole time to the work of instruction. It will be seen that this method gives each student constant *personal attention*. All practical work must be performed in the College, and every effort is made to prevent students from practicing dentistry illegally. Regular attendance at all the courses of instruction and clinics is required. No student is excused from the technic or practical courses.

ANATOMY

PROFESSOR HAMANN, DR. TIERNEY

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations and recitations. In accordance with the needs of dental students especial attention is given to the anatomy of the head, neck and alimentary canal. In order to facilitate the work in osteology, students of the first year are provided with separate bones, which they are permitted to take home for purposes of study. For demonstrations upon the cadaver and anatomical preparations, the second-year class is divided into sections, in order that individual students may have every opportunity of becoming familiar with the various parts of the body, and of receiving direct personal instruction. Text-book, Gray's Anatomy.

PRACTICAL ANATOMY

The advantages offered for the study of practical anatomy are very complete. The anatomical room is well lighted, and perfectly heated and ventilated. It has twenty-four tables, and is furnished with hot and cold water, elevator and every convenience for successfully conducting the work of dissection. Dissections are made under the immediate direction of the professor of anatomy.

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PHYSIOLOGY

ASSISTANT PROFESSOR WEIR

Two lectures a week are given to the students of the second year. The lectures are illustrated by experiments in the class-room and demonstrations in the laboratory. The properties of the circulating liquids of the body, blood and lymph, having been first described, the mechanical and physiological factors concerned in the maintenance of the circulation are studied in detail. The physical and chemical phenomena of respiration and the relation of the nervous system to the respiratory mechanism are next taken up. Then follows an account of digestion, including the secretion of the digestive juices and their action on the food substances, the movements of the stomach and intestines, and the influence of nerves on the functions of the alimentary canal. The absorption of the digested food into the blood-vessels and lacteals, the changes which the absorbed substances undergo in the body, and the channels by which the waste products are excreted form the next division of the subject. A general view is then taken of the statistics of nutrition and metabolism (including Animal Heat), from which the rules governing the constitution of dietaries are deduced. The general physiology of muscular and nervous tissues having been treated of, the physiological anatomy and functions of the brain and spinal cord are described at length. A brief account of reproduction and development completes the course.

Care is taken to emphasize the special importance to the dental student of such subjects as the secretion of the saliva, the formation of salivary concretions, and the mechanism of mastication and of articulation. Text-book, Stewart's Manual of Physiology.

HISTOLOGY

ASSISTANT PROFESSOR HOBSON

The course includes a study of the fundamental mammalian tissues, followed by a study of the finer anatomy of the principal organs. Especial attention is given to the structure of bone, teeth, salivary glands, and the structures connected with the mouth cavity. Each student stains and mounts the sections which he studies and these remain his property. The expense to each man for slides and material is about two dollars. A deposit of two dollars to cover breakage, which is returnable at the end of the course, is required. Two two-hour laboratory exercises and one recitation per week are given through Freshman year.

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CHEMISTRY

Much care and attention have been devoted to the thorough arrangement and equipment of the chemical laboratory and lecture room according to modern methods. The course includes a series of illustrative lectures on inorganic and organic chemistry, showing their relationship to dental, medical and sanitary science, and laboratory practice. The latter offers the student advantages in acquiring chemical manipulations and favors his acquaintance with the principles of chemistry. Five hours a week throughout the year are given to the work.

Special or advanced students will also be furnished the means for original work or research, under the guidance of the instructor. Text-book, Witthaus' Chemistry.

OPERATIVE DENTISTRY

PROFESSOR AMBLER

In this department the teaching is partly accomplished by means of lectures and quizzes which constitute a systematic and progressive course, beginning with a concise history of ancient and modern dentistry, followed by a careful presentation of the most useful methods, appliances and materials employed in filling teeth, together with the basal principles which make operative dentistry a positive science. The hygiene of the mouth, teeth, artificial dentures, crown, and bridge-work will also be considered.

In the senior year, the operatory offers to the students an opportunity to become acquainted with the details of office practice; here he can apply the art of filling teeth, and have some opportunity for observing the relative value of different methods and materials; being advanced from simple to complex operations so fast as his proficiency will justify. Each senior is allowed to operate for twenty-one hours weekly; thus he can develop his brain and hand in acquiring thoughtful manipulative skill.

Text-book: American Text Book of Operative Dentistry. Ambler's Tin Foil and its Combinations for Filling Teeth.

DENTAL ANATOMY—OPERATIVE TECHNICS

PROFESSOR KENYON

These courses of instruction have been revised and enlarged. Two hours each week are given to dental anatomy in the first year. The work consists in carving the various classes of teeth, cutting sections, and making drawings. These exercises are supplemented by lectures and recitations and are illustrated by drawings and large models. Text-book: Broomell's Anatomy and Histology of the Teeth and Mouth.

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Eight hours each week are given to operative technics in the second year. The course consists in technical training in the laboratory, supplemented by lectures and demonstrations. The technical training includes treating and filling root canals in extracted teeth, cutting typical cavity forms in enlarged tooth-models, excavating a large number of cavities in celluloid tooth-forms mounted in a flexible jaw, filling these cavities with the various filling materials, and exercises in engine technic upon extracted teeth. Porcelain inlay technic is a special feature and will receive particular attention.

The lectures cover the technique of cavity preparation and of treating the various conditions found in pulp cavities; instrumentation and classification and measurements of operating instruments; classification and forms of cavities; and filling materials.

NOTE.—The operations in the technic department require a great number of natural teeth, and as it is difficult to procure a sufficient number, it would be to the interest of every student to obtain as many as possible.

PROSTHESIS AND METALLURGY

PROFESSOR WILSON

Two lectures a week are given upon prosthesis, to the students of the first year, and two lectures a week upon crown and bridge-work and metallurgy, to the students of the second year.

The aim is to make this department thoroughly practical, to elucidate the mechanical and artistic principles as well as the science involved.

The technic laboratories are conducted under the guidance of this chair. American Text Book of Prosthetic Dentistry, Essig's Metallurgy fourth edition.

TECHNIC LABORATORIES

PROFESSOR WRIGHT AND DR. WARK

There are two dental laboratory class-rooms, one for students of the first, and one for those of the second year; each room is provided with sixty benches and with a platform furnished with complete laboratory appliances. There is also a dental laboratory furnished with lathes, plaster, and apparatus for molding and casting. There is a specially fitted forge room. Every effort is made to have the methods of instruction as practical as possible. Comprehensive and progressive technic courses are given in impressions—vulcanite, celluloid, cast metal, aluminum, gold, continuous gum (optional), crown and bridge-work, steel and orthodontia.

Seventeen and one-half hours a week are devoted to this work.

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PATHOLOGY

PROFESSOR WHITSLAR

This course covers a description of general and special pathology. It consists of an investigation of the principles of pathological processes, their histological changes and effects upon the organism. Dental pathology is elucidated and the general subject treated so as to make the subject one of practical utility. The decay of teeth and inflammation of the dental pulp and pericementum receive special attention. Diseases of the mouth are also discussed. The lectures commence in the Junior year and are continued to the end of the Senior year. Text-books: Marshall's Injuries and Surgical Diseases of the Face, Mouth and Jaws; Burchard's Dental Pathology.

MATERIA MEDICA AND THERAPEUTICS

PROFESSOR VAN DOORN

An intelligent knowledge of the properties and application of medicaments is so important that dental students should be as well grounded in this as in anatomy and physiology. The course consists of a series of comprehensive lectures upon all important drugs, with especial illustrations of their use in dentistry. The methods of administration and application are described in detail. The aim is to make these lectures of great practical value. Text-book: Gorgas' Dental Medicine.

ORAL SURGERY

PROFESSOR HAMANN

Instruction in this branch will be given by means of lectures, clinics, and recitations. The aim is to furnish the student an opportunity of acquiring a practical knowledge of this department of surgery.

The principles underlying the treatment of pathological conditions of the mouth and jaws will be considered. Wounds, fractures, tumors, ulcers and congenital defects are among the subjects to be discussed, especial attention being devoted to diagnosis. Dental students have access to the various hospitals. Marshall's Text Book on Diseases and Injuries of Jaw and Mouth.

ANAESTHETICS

PROFESSORS HAMANN AND ZIEGLER

The subject of anæsthetics is elucidated by special instruction. Professor Hamann describes and illustrates the uses of chloroform and ether in surgical operations about the mouth, and also the dan-

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gers that may arise. Professor Ziegler presents the subject of anæsthesia from nitrous oxide gas and its combinations with other elements, also the uses of local anæsthetics.

Realizing the danger of anæsthetics, great care is bestowed upon the teaching of these subjects; the course includes lectures on physical diagnosis, which are essential in designating methods employed in detecting disease during life; so that no mistakes will be made. The clinics afford the students abundant experience in this college.

BACTERIOLOGY

PROFESSOR ROGER G. PERKINS

The students will take up the various organisms which are found in the buccal cavity in health and disease, including those concerned in dental decay. The preliminary studies will deal with the chromogenic organisms, until the students have acquired the necessary technique, when the bacteria peculiar to the mouth and those which use the mouth as a portal of entry in lesions of the buccal cavity or more general infections will be carefully investigated.

Special instruction will be given as to the proper methods of sterilization of instruments, and asepsis in dental surgery. Microscopical sections of decayed teeth will be given out to the students, and stained to illustrate the invasion of the tissues by the bacteria of dental decay.

ORTHODONTIA

PROFESSOR WILSON

The course in orthodontia consists of lectures, technic work and practical cases.

The didactic instruction is given by Professor Wilson and is supplemented by the demonstrator who has direct care of the practical and technic work. The lectures are illustrated by lantern slides, models and various appliances especially constructed for the purpose of instruction.

The technic course is for the juniors and consists in the construction of material and a technic apparatus which is to be considered in the final senior examination in this branch. The practical work is done by senior students and offers great advantages, for the clinical material is abundant. Various methods of correcting irregularities of the teeth are considered and their use and value explained.

Junior students attend the regular course of lectures which are given to the senior students in this department.

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JURISPRUDENCE

F. A. HENRY, M. A., LL. B.

The legal responsibilities by dental practitioners and also the relations of the public to the dentist are clearly explained by the professor of this department. A knowledge of the subject of dental law is required in the course of instruction, and an examination at its close is given.

ELECTRICITY

PROFESSOR PRICE

A thorough course of instruction is given in electro-physics and electro-chemistry, and the practical application of their principles in the processes employed in dentistry. It includes lectures, laboratory experiments and clinical demonstrations. Cataphoresis will be given special consideration and the various current controllers and milliameters are studied by the students and thoroughly demonstrated clinically. The bleaching of teeth by means of electric currents with various agents, the treatment of pyorrhea alveolaris and aveolar abscess, and the use of the X Rays for locating unerupted teeth are elucidated. Instruction is also given in the construction and management of electric dental engines and motors, methods of controlling various kinds of currents, the galvanic effect and electrolytic products of various filling materials in the mouth, etc. Students should be familiar with the general principles of electricity before commencing the course. Text-book: Custer's Dental Electricity.

DENTAL CERAMICS

PROFESSORS WILSON AND KENYON

A course of instruction in dental ceramics is provided. The course includes all varieties of porcelain work that the dentist requires to use and is amply illustrated. Where students are able to provide materials of their own extra instruction is given free of charge.

CLINICS

The operative and prosthetic clinics provide all kinds of clinic material. The prosthetic clinic is open from 9:30 to 12 a. m., and the operative clinic is open from 1 to 4:30 p. m. In the first year the entire time is devoted to technic courses in prosthesis. In the second year technic courses are given in crown and bridge-work, also orthodontia. After these the student is assigned to practical cases of artificial dentures as well as operating in the mouth. It is necessary,

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however, to complete the operative technic course before cases are assigned in the operatory. In the third and fourth year the course is made as practical as possible. The morning clinic is devoted entirely to prosthetic work, crowns and bridges, and orthodontia. The afternoon clinic is devoted entirely to the filling of teeth, extracting, and the various surgical operations that can be performed in the college without hospital attendance. The extensive operations are performed in the hospital. Thus students are provided with an exceptionally large amount of actual clinical experience. The many clinical cases afford an excellent opportunity for the use of anæsthetics. In rotation the students are assigned to extracting and the use of anæsthetics under the immediate supervision of a skilled demonstrator. Every student thus gains experience that prepares him for actual practice. The location of the college in the heart of the city, where the street cars center, enables the college to have an unusual advantage in securing a large clinic.

Students are required to attend all clinics daily and perform operations faithfully. At the opening of the session each senior has a chair assigned to him.

TEXT-BOOKS

First Year: Gray's Anatomy, Schaeffer's Histology, Witthaus' Chemistry, American Text-Book Prosthetic Dentistry, Broomell's Anatomy and Histology of the Teeth and Mouth.

Second Year: Stewart's Physiology, Essig's Metallurgy, Burchard's Dental Pathology.

Third Year: Marshall's Injuries and Diseases of Face, Mouth and Jaws, Gorgas' Dental Medicine, American Text-Book Operative Dentistry, Ambler's Tin Foil and its Combinations for Filling Teeth, Custer's Dental Electricity.

Books of Reference: Dictionary, Gould; American System of Dentistry; Garrettson's Oral Surgery; Week's Operative Technics; Evan's Crown and Bridge Work; Mitchell's Dental Chemistry; Miller's Micro-organisms of the Mouth; Eckley's Anatomy of the Head and Neck; Cryer's Internal Anatomy of the Face; Cigrand's History of Dental Prosthesis.

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GENERAL INFORMATION

TERMS AND VACATIONS

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a holiday vacation of two weeks, beginning on December 24th. No College exercises will be held on Thanksgiving day or Decoration Day.

THE DENTAL BUILDING

When the College of Dentistry was established in 1892, rooms were assigned to it in the building erected by Mr. John L. Woods for the Medical College; but the work in both dentistry and medicine has been so much extended and the number of students in each department has so rapidly increased, that the Trustees of the University have provided separate accommodations for the Dental School in the new and handsome Bangor Building, situated next to the Young Men's Christian Association's building on Prospect Street. A number of sessions have been held in the new building, and they have proved its facilities to be excellent. Each room has perfect light and ventilation. The laboratories, one for the Freshmen and one for the Juniors, with an adjoining room for both classes, are arranged for an advanced system of teaching. There is also a clinical laboratory for the Seniors and Juniors. Each room contains a complete laboratory equipment. Many tools and instruments are provided for the students without charge. The operating room contains forty chairs and is fully equipped. The surgical and extracting room contains a standing amphitheatre. The building has been planned to accommodate one hundred and fifty students. When this number is reached, admission to the Freshman class will be by suitable method of competition. It is advised that students matriculate early.

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DENTAL MUSEUM AND LIBRARY

A Dental Museum and Library is being formed. It is earnestly requested of those who have specimens or literature of any interest to dental students, that they make contributions. Each specimen and book receives proper care, and credit is given the donor.

DEGREE

The degree of *Doctor of Dental Surgery* is conferred upon all students not under twenty-one years of age, who have satisfactorily completed the required course of study, paid all required fees, passed all examinations, performed such practical operations in the operative and prosthetic departments, as may be required, and conformed with such other regulations as the faculty may prescribe. Graduates of Dentistry of other institutions are required to attend one full course and comply with all the regulations to the senior year in order to receive a degree from Western Reserve University. Candidates who attain a general average of ninety per cent. in all their examinations receive honorable mention.

FEES AND OTHER EXPENSES

The fees are as follows: (1) Matriculation fee of five dollars. This is paid only once. (2) An annual fee of one hundred dollars, is payable at the opening of the term. These fees are not returnable.

Students who cannot pay the whole amount on the opening day may pay fifty dollars. After January 10 of the college year there will be *fifty-five dollars* due, providing the whole amount is not paid on that date. (3) An annual examination fee of ten dollars. due April 1.

Students who desire to pay for the entire four years' course by December 1st of the first year will be allowed a reduction of fifty dollars on the whole amount. There is no diploma fee. No fee is required for any of the laboratory courses or dissection.

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EXAMINATIONS

No student is permitted to present himself for examination who has not paid all dues. A fee of ten dollars for examinations is required April 1st.

Students who have failed in any branches are given an opportunity for a second examination, but it shall not be later than December 1st in the succeeding year. A student may register in the succeeding year but will not be allowed to continue in it after December 1st if he is deficient in more than two branches.

A fee of two dollars is required for a re-examination. A second re-examination can only be given with the consent of the faculty.

There are no scholarships or special prizes.

Students are liable for breakage in the chemical and histological laboratories. An expense of about two dollars for microscopic slides is necessary in the first year, but they remain the property of the student. A small deposit for keys is required and is returned at close of year.

No student is permitted to enter the laboratories and operatory until he present a receipt for fees, and also is provided with the necessary equipment of instruments and tools. Books and instruments can be bought within a short distance of the college.

The College fees are paid to the Dean.

The expenses for each year, including fees, are as follows:

FIRST YEAR

Matriculation (paid only once)	$ 5 00
Tuition	100 00
Instruments	30 00
Histological slides, etc.	2 00
Books	23 00
Examination at close of term	10 00
	$170 00

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SECOND YEAR

Tuition	$100 00
Instruments, including engine, about	90 00
Books	11 00
Examination at close of term	10 00
	211 00

THIRD YEAR

Tuition	$100 00
Books	20 00
Examination at close of term	10 00
	$130 00

FOURTH YEAR

Tuition	$100 00
Examination fee	10 00
No Diploma Fee.	
	110 00

Good board may be had from $2.50 to $5.00 a week; good accommodations for board and lodging, from $4.00 a week and upwards. Students applying to the Janitor, William Carson, at the College building, as soon as they reach the city, will be directed to reliable boarding houses.

SOCIAL LIFE

The College seeks to surround its students with the best influences, and the Faculty therefore encourages them to exert their talents in commendable directions. During the session of 1896-97 a flourishing dental society was organized for the purpose of placing serious responsibilities upon the students, and of inculcating true professional ideas. Each year this society elects its own officers and the president is made Curator of the College Museum, which office he holds

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during his Senior year. A musical club is one of the interesting organizations to those musically inclined. Other societies and organizations exist among the students. Many of the students become members of the Young Men's Christian Association, whose building is next door to the College, and thus have use of a fine gymnasium and other means of amusement and recreation. A special rate of membership is made to students. There is a branch association of the Y. M. C. A. formed among the dental students. They hold meetings weekly.

For further information, address the Secretary of the Faculty, DR. W. H. WHITSLAR, 700 Schofield Bldg., Cleveland, Ohio, who will cheerfully answer all inquiries.

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THE LIBRARY SCHOOL

GENERAL STATEMENT

The establishment of this school has been rendered possible by the generous gift in February, 1903, of one hundred thousand dollars from Mr. Andrew Carnegie to form an endowment fund.

Its purpose is to give a thorough course in training for library work. While, as is eminently proper in a school so established and endowed, special attention will be given to training for work in our rapidly developing system of public libraries, the interests of college, endowed, and other libraries will not be neglected.

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FACULTY

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

WILLIAM HOWARD BRETT, A. M., 205 Wood St.
Dean of Library School.
Lecturer on Library Architecture and Administration.

Head Instructor and Librarian (to be appointed).
Criticism and Selection of Books, Organization and Administration.

ESTHER CRAWFORD, B. L., 466 Franklin Av.
Instructor in Classification and Cataloguing.

LINDA ANNE EASTMAN, 798 Republic St.
Instructor in Library Extension and Supervision, Reports and Statistics.

JULIA MARGARET WHITTLESEY, B. L., B. L. S., 27 Oakdale St.
Instructor in Order and Accession Records, Duplicates and Gifts, Serials, Loan Systems.

EDWARD CHRISTOPHER WILLIAMS, B. L. 71 Elberon St., E. Cleveland.
Instructor in Trade and National Bibliography—Order Department. Reference Work.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in General and Special Bibliography.

ELECTRA COLLINS DOREN, Dayton, Ohio.
Lecturer on Assistance to Readers.

CHARLES ORR, 1662 Lamont St.
Lecturer on History of Libraries. Book Clubs and Book Collecting.

AZARIAH SMITH ROOT, A. M., Oberlin, Ohio.
Lecturer on Book Printing and Illustrating.

MARGARET MANN, Carnegie Library, Pittsburgh, Pa.
Instructor in Public Documents.

GRACE ELSTNER WOODARD, B. PD., Ann Arbor, Mich.
Instructor in Bookbinding.

EUPHEMIA LOUISE POWER, 785 Eddy Road, Glenville.
Instructor in Work with Children.

ADELAIDE FRANCES EVANS, 205 Wood St.
Secretary and Reviser.

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REQUIREMENTS FOR ADMISSION

All candidates for admission are expected to bring a maturity and a preparation which will fit them for work equal to that in graduate schools. Fitness will be determined by an examination which will be required of all. It will include literature; history, both general and current; general information concerning the sciences and arts; and a reading knowledge of two languages other than English. The examinations will be held in Cleveland on Friday and Saturday, June 17 and 18, 1904. Arrangements will be made, so far as desired, to hold examinations in each state on the same days. In the event that the class is not filled from the number of those taking this examination, another examination will be held on September 16 and 17.

Applicants will be supplied with the regular form of application, and are requested to submit their academic record and degrees, if any, a record of any literary or educational work, and testimonials as to character and ability.

COURSE OF STUDY FOR JUNIOR YEAR

NOTE TAKING

MISS CRAWFORD

Lecture notes of individual students will be scanned occasionally with the aim of developing in each student the power of quick perception of essentials and their orderly and concise preservation.

LIBRARY HANDWRITING

MISS CRAWFORD

Students are advised to acquire a good library handwriting before entering the school, as no time will be set aside for definite practice. The date at which actual record work may be entrusted to the student will be influenced by the excellence of his handwriting. Equal emphasis will be laid upon script and print forms. The school will

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furnish models to any accepted applicant upon receipt of postage.

Ability to use the typewriter will be expected of each student, but no time will be set aside for instruction in its use. It is recommended that the skill be acquired before entrance.

SELECTION OF BOOKS

(READING SEMINAR)

NOT YET ASSIGNED.

The course in book selection will be conducted as a weekly reading seminar throughout the year, based upon (a) observation and report upon local community's conditions, interests, and book or reading privileges; (b) evaluation of books by classes with reference to content and treatment, and types and grades of readers; (c) apportionment of book fund to various classes of books, apportionment for older standard works and current publications, selection from second-hand lists, and American and English editions.

ORDER DEPARTMENT

MR. WILLIAMS.

This will include instruction and practice in the use of trade bibliography, the technical routine and the records necessary for intelligent and systematic conduct of book-buying in public and college libraries. Special attention will be given to editions and their relative merits.

ACCESSION RECORDS

MISS WHITTLESEY

The A. L. A. Standard and condensed accession books and rules will be used as texts for instruction. Attention will also be paid to other ways of keeping the accession records than by accession books. Additional practice will be given in connection with the books for the East branch library and Adelbert College Library.

CLASSIFICATION

MISS CRAWFORD

The Decimal classification (Dewey) will be used as text-book, with adaptations for public library needs. Emphasis will be laid upon bases of subject relationships. In addition to the regular practice work, each student will assist in classifying books for the new East branch library.

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BOOK NUMBERS

MISS CRAWFORD

The Simplified Library School rules will be taken as a convenient text, accompanied by the Cutter and the Cutter-Sanborn tables. Full notes on variations for public library and for college usages will be given.

SHELF-LISTING

MISS WHITTLESEY

The Simplified Library School rules will be used as a text-book. Instruction and practice will include both sheets and cards, with emphasis upon the latter form.

CATALOGUING

MISS CRAWFORD

Special emphasis will be laid upon the perception of underlying principles rather than the following of any one code of rules. But the Simplified Library School rules, Cutter's Rules for a dictionary catalogue, A. L. A. Rules and A. L. A. List of subject headings will be used as convenient bases for constructing the codes to be used in the local college and branch libraries in which the instruction given in the class room will be exemplified. Instruction will be confined to dictionary cataloguing during the junior year, and will cover the usual points of author, title, imprint, notes, and added entries of all kinds.

Instruction and practice will include handwritten, typewritten and duplicated cards, the latter making use of various printed cards now available. In addition to the regular class room practice, each student will assist in the cataloguing of books for the East branch library and for Adelbert College library.

ALPHABETING

MISS CRAWFORD

Cutter's rules will be used as text, with variations where deemed advisable. In addition to the regular practice, each student will share the work of card-filing in the library catalogues and all work will be inspected.

DUPLICATES AND GIFTS

MISS WHITTLESEY

A resumé of policies and suggestions for practice in the average public or college library.

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SERIALS

MISS WHITTLESEY

The ordering, receipt, acknowledgment, and care of all serial publications, so far as their treatment varies from that of other books.

LOAN WORK

MISS WHITTLESEY

This will involve the comparative study of types of loan systems, the subsidiary work in connection with book circulation such as registration, loan statistics, health reports, prevention of contagion, care of shelves, training of pages, contact with the public, and the varied means now in use of bringing books to public attention and use. Students will have practice in connection with the various branch libraries of the Cleveland Public library and with Adelbert College library.

ASSISTANCE TO READERS

MISS DOREN

Practical exercise and observation in developing and directing reading taste, including discussion and exhibit of such means as story and reading hours, bulletins, book lists, posting excerpts of current books, popularizing catalogue use by the public—annotation, reading slips, etc.

BOOKBINDING

MISS WOODARD

A practical course describing the materials, tools and successive processes of bookbinding, and illustrating them by actual work. The necessary records and directions for sending books to and receiving them from the bindery.

REPORTS AND STATISTICS

MISS EASTMAN

An analytical and constructive study of reports and statistics in their vital relation to the practical work of the library.

PUBLIC DOCUMENTS

MISS MANN

The work in public documents is intended to familiarize students with the publications of the government through a study of the methods employed in printing, binding, indexing and distributing these documents, and by an examination of the methods of reporting the work carried on by Congress and the executive departments, together with a brief history of the organization of these departments.

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TRADE AND NATIONAL BIBLIOGRAPHY

MR. WILLIAMS

A study of the trade and national bibliography of the United States, England, France, and Germany, with a hasty survey of the other European countries. Special attention will be given to the United States and England, and to the bibliography of government publications. Familiarity with the works studied will be induced by practical problems. Special topics will be treated also, as the scope and utility of bibliography, bibliographical abbreviations, the limitations of trade bibliography, etc. The aim of this course is to give the student a practical knowledge of the trade books which may be useful in the work of the order department, and at the same time to furnish a basis for the advanced work of the second year.

GENERAL AND SPECIAL BIBLIOGRAPHY

MR. SEVERANCE

Part 1 of this course will treat of elementary bibliography and will introduce students to: (a) bibliographies of bibliography, (b) library catalogues under their bibliographical aspect, (c) encyclopædias bibliographically considered, (d) selected lists of "best books," and (e) national bibliographies (trade catalogues), both retrospective and current. Part 2 will show the application of the principles of general bibliography to special subjects. Particular attention will be devoted to historical, literary, and theological bibliography. The aim of this course is to familiarize students with the more important works useful in library investigations.

REFERENCE WORK

MR. WILLIAMS

A study of the standard works of reference, as the general and special encyclopædias, dictionaries, annuals, indexes to periodicals, ready reference manuals of every kind, and the more important newspapers and periodicals. Works of a similar scope will be compared, and the limitations of each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. The aim of this course is not only to promote familiarity with a fairly large number of well-known reference works, but also to give the student some idea of method in the handling of books, to familiarize him with the use of indexes, tables of contents, and varying forms of arrangement, and, finally, to suggest some methods of comparison and evaluation.

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LIBRARY HISTORY

MR. BRETT

General. Public libraries in America.

LIBRARY HISTORY

MR. ORR

History, functions, and relations of proprietary and endowed libraries in America. Ohio Library commission. Ohio State library.

LIBRARY ARCHITECTURE

MR. BRETT

Principles of library planning as applied to smaller libraries and branch libraries.

LIBRARY ADMINISTRATION

MR. BRETT

The government of libraries. The relations of the librarian to the library board and the library staff.

LIBRARY ORGANIZATION AND ADMINISTRATION

NOT YET ASSIGNED.

The problems of organization and administration of a small library to be worked out in the actual organization of a model branch of the Public library to serve as one of the important laboratories of the School.

LIBRARY EXTENSION AND SUPERVISION

MISS EASTMAN

The problems of supervision and extension as applied to the individual library; departments, branches and stations, exhibits, museums and galleries, library lectures, work with the schools, clubs, factories, social settlements, home libraries, special work for the blind, civic betterment.

HISTORY OF THE PRINTED BOOK

PROFESSOR ROOT

A course of lectures treating of the origin of printing, the development of the art, notable printers and publishers, and the methods of printing and publishing establishments of the present day. Practical exercises and the preparation of papers on topics suggested by the lectures.

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WORK WITH CHILDREN

MISS POWER

Methods and aims in work with children, principles of book selection, planning and equipment of children's rooms, the story hour, home libraries, summer playground work, children's reference work, simplified cataloguing of juvenile books. This is not a sufficiently extensive course for those intending to specialize as children's librarians, but such a general survey of the work as should be had by every intelligent library worker.

MISCELLANEOUS

Lectures will also be given by members of the Library school faculty and others on the following subjects:

Pamphlets
Manuscripts, maps, plans, etc.
Reading lists
Bulletins
Indexing
Business principles and ethics
Correspondence
Printing and editing
Library publications
Book plates
Duplicate fiction plan
Co-operative cataloguing
History of library training
Library associations
Library ideals
Music in the library
Art in the library
Foreign books in American libraries
Book clubs
Book collecting
Limited editions
Law libraries
Medical libraries
State libraries

PRACTICAL WORK

A certain amount of practical work will be required in the Cleveland libraries; this will be planned primarily for the benefit of the students rather than the libraries, and only such work will be required as seems necessary to a practical knowledge of each subject.

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COURSE OF STUDY FOR SENIOR YEAR

The senior instruction will not be given until the second year of the school and the full course of study will appear in the next issue of the annual catalogue. The following is a brief outline:

Cataloguing and classification will be continued throughout the entire year with practice work. The Cutter classification will be given briefly and a comparative study of the different system will be made.

An advanced course in bibliography will be given, which will amplify the work of the junior year, giving special attention to the sciences and arts, and to bibliographies in foreign languages.

An advanced course in reference work will also be given and a special course on the sources and literature of the Middle Ages, showing what use has been made of this source material by modern writers. It is intended to illustrate an application of the instruction previously given to a specific subject.

The criticism and selection of books will be continued throughout the senior year, and additional courses will be given on public documents and publications of societies and institutions and on bookbinding.

Courses will be given on Library architecture generally, and on the larger problems of Library administration and legislation.

LIBRARY VISITS

The Easter recess will be occupied by a trip in which a series of libraries will be visited for purposes of study and comparison. These journeys and the visits to the libraries will be under the direction of members of the faculty; they are regarded as an important part of the instruction and all students are expected to take them. Two trips will be planned which will be taken on alternate years and will together include the libraries of Boston and other important New England cities, New York, Newark, Philadelphia, Washington, Baltimore and Pittsburgh. Thus during a two years' course the student will have an opportunity of visiting and studying the most important libraries of the Eastern States. The expense of these trips will be from sixty to seventy-five dollars each.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first term begins on the Tuesday after the sixteenth day of September, and continues with a holiday recess of ten days, until the last Saturday in January. The second term begins on the following Monday and continues with an Easter recess of two weeks, until the Thursday after the eleventh day of June (or on the tenth in years in which February has twenty-nine days). Thanksgiving day, Washington's Birthday, and Decoration day will be observed as holidays.

LOCATION OF THE SCHOOL

The school will occupy commodious rooms in Adelbert Hall on the college campus. These will include a school room with a reference library, lecture room, reading room, offices for the faculty, and other necessary rooms, and will provide satisfactorily for the work of the school and the comfort of the students.

ENDOWMENT

The endowment is $100,000, the gift of Mr. Andrew Carnegie, the income of which is used for current expenses of the school.

LIBRARIES

The school will have conveniently arranged in the school room a reference library for the use of the students. This will include the important reference works, such as the American, English, German, and French trade bibliographies, encyclopædias, dictionaries, catalogues, and bibliographical and bibliothecal books and periodicals. These will be added to from year to year, and will be kept on shelves convenient of access from the desks of the students.

A collection of books will also be made sufficiently comprehensive to exemplify the problems of classification, which

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will be kept unstamped and unlabeled for the use of the students.

The students will also have the use of the following libraries for study and reference, and will be expected to do a portion of their reference work in them:

The Hatch library of Adelbert College, occupying a library building on the campus within convenient reach of Adelbert Hall, has a collection of 50,000 volumes. This is a valuable general reference library, and also includes important special collections in literature, philosophy, the French Revolution, and much valuable bibliography.

The Western Reserve Historical library near the campus, with a collection of over 20,000 volumes, mainly local history and genealogy, with many manuscripts and an interesting museum.

The Public library numbering over 200,000 volumes, four branches, five sub-branches and twenty-six stations.

The Case library with a fine general collection of over 50,000 volumes, in the Caxton Building near the center of the city. The free use of this library is a special privilege granted to the University by the library trustees.

The following, while only open for the use of members, may be visited and inspected by the students:—

The library of the Medical Library Society, 586 Prospect St., of over 10,000 volumes.

The Cleveland Law library of 20,000 volumes in the Court House.

These various libraries offer the opportunity to study fair examples of most of the important types of American libraries.

The extensions of the Public library rendered possible by the gift of two hundred and fifty thousand dollars from Mr. Andrew Carnegie for the purpose of building branch libraries, will furnish during the coming year an object les-

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son of library planning, building and organization. As this goes to press one of the older branches is being rebuilt, a new branch is in process of construction, and it may reasonably be expected that two or more additional ones will be in progress during the present year.

UNIVERSITY ADVANTAGES

Students of the Library School are admitted without extra charge to such classes in Adelbert College, the College for Women, and the Graduate School, as they are fitted to enter. They also have the privilege of attending many public lectures given at Adelbert College, the College for Women and Case School of Applied Science. The gymnasium of Adelbert College and that of the College for Women will be available for the use of the students.

GRADUATION AND DEGREE

The requirements for graduation are the satisfactory completion of the junior and senior courses of study and the presentation of a satisfactory bibliography and a thesis upon subjects chosen with the approval of the faculty. The degree of Bachelor of Library Science will be conferred upon graduates of the school.

EXPENSES

Since issuing the preliminary circular it has been decided to fix the tuition fee at one hundred and twenty-five dollars per year. This fee is payable seventy-five dollars at the beginning of the year, and fifty dollars at the beginning of the second half-year in February. The expense for stationery and other material used should not exceed twenty-five dollars per year; the cost of the necessary books for the entire course will probably not exceed the same amount. No matriculation or examination fees will be charged.

Rooms and board may be procured in the vicinity of the University for from $5 to $8 a week.

For further information address the Dean, 205 Wood St., Cleveland, O.

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SUMMER SCHOOL

There is held in June or July each year a Summer School. The session of 1903 began Monday, the 22d of June. The lecturers were: Henry Churchill King, D. D., President of Oberlin College; Professor E. D. Starbuck, Ph. D., of the Department of Education, Leland Stanford University; Professor Herbert Austin Aikins, Ph. D., Professor of Philosophy in Western Reserve University, and Associate Professor Howell M. Haydn, Western Reserve University.

The Following is an outline of the courses given:

"THE SEEMING UNREALITY OF THE SPIRITUAL LIFE."..PRESIDENT KING (Five Lectures). I. The Reasons for the Seeming Unreality. A. Removable Causes—1. Misconception of the nature of the spiritual life; 2. Failing to fulfill the natural condition of the spiritual life. B. Causes, Recognizable but not Removable—1. The limitations and fluctuations of our natures; 2. The moral reasons for the seeming unreality. II. The Positive Way Out. A. In the Theistic Argument; B. In the Personal Relation to God.

"WHAT IS RELIGION?" PROFESSOR STARBUCK. I. Why do People Worship? II. The Religious Motives. III. The Place of Feeling in Religion. IV. Philosophy, Theology and Religion. V. Religion as Spontaneous Spiritualized Will, or Religion in its Relation to Conduct.

"SOME INTERPRETATIONS OF CHILDHOOD, AND OF LIFE." PROFESSOR STARBUCK. I. The Meaning of Infancy. II. Some Characteristics of Childhood. III. The Submerged Nine-Tenths of Life. IV. Youth. V. Old Age.

"HUMAN NATURE AND HOW TO DEAL WITH IT: FROM THE STANDPOINT OF THE PSYCHOLOGIST." PROFESSOR AIKINS. I. Is Man Fundamentally Rational? II. What goes on in the Minds of Other People? III. The Practical Relation of Mind and Body. IV. "Cultivating One's Faculties," and The True Function of Education. V. On Being Sane and Good and Happy.

"THREE CONCEPTIONS OF THE CHRISTIAN LIFE." PROFESSOR HAYDN. A Study in the Epistle of James, I Peter and I John.

The number of persons attending the lectures was about one hundred.

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GENERAL SUMMARY

TRUSTEES, INSTRUCTORS AND OTHER OFFICERS

TRUSTEES.		
Western Reserve University only	8	
Adelbert College only	6	
Members of Both Corporations	16	
	—	30
ADVISORY COUNCIL (College for Women)	29	
Corresponding Members	15	
	—	44
INSTRUCTORS.		
Professors	61	
Associate Professors	5	
Assistant Professors	10	
Instructors	28	
Lecturers	8	
Demonstrators	27	
Assistants	11	
Non-Resident Lecturers (1902-1903)	3	
	—	153
Librarians and Library Assistants	4	
Other Officers	5	
	—	9
Total		162

STUDENTS

Adelbert College	225
The College for Women	236
The Graduate School	20
The Medical College	86
The Law School	110
The Dental College	88
Total	765

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APPENDIX I

DEGREES CONFERRED AT COMMENCEMENT, 1903

ADELBERT COLLEGE

BACHELORS OF ARTS

Edwin Childs Baxter,
Walter Louis Bissell,
Charles Bushnell Byal,
(*cum laude*),
Edwin Leland Carle,
Paul Richard Chamberlain,
(*magna cum laude*),
Francis Corrigan,
David Love Dugan,
James Julius Hoffman,
Robert George Lotspiech,
(*cum laude*),
Albert W. Meyer,
William Robert Polhamus,
Feist M. Strauss,
(*magna cum laude*),
Sidney Burnett Tryon,
(*cum laude*),
Albert George Tuttle.
(*magna cum laude*).

BACHELORS OF LETTERS

James Williams Carpenter,
(*cum laude*),
Robert Edward Gammel,
Birt Eugene Garver,
(*magna cum laude*),
Warren Daniel Spengler,
Frank Holt Stedman.

BACHELORS OF PHILOSOPHY

Edwin Allen Barnes,
(*magna cum laude*),
Homer Charles Campbell,
(*magna cum laude*),
Arthur Bradley Eisenbrey,
Albert Ellenberger,
Robert Emmett Finley,
(*magna cum laude*),
Harlan Adolphus Hepfinger,
(*magna cum laude*),
Isaac McCallum Hogg,
Willis Burton Knisely,
Frederick Tyler Lawton,
John William O'Brien,
Edward Maynard Otis,
(*magna cum laude*),
Herbert Ernest Parker,
(*magna cum laude*),
Ernest James Reece,
(*magna cum laude*),
Hugh Griffith Rose,
George Franklin Thomas,
Herbert Alfred Thomas,
Isaac Roy Watts,
(*cum laude*).

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THE COLLEGE FOR WOMEN

BACHELORS OF ARTS

Mary Lawson Ballantyne,
Caroline Arrowsmith Bruce,
Mary Adeline Hird,
Laura Helen Krejci,
Ethel McDonald,
Edith Harris Parmenter,
Bessie May Post,
May Cameron Quinby,
Lydia Margaret Schwegler,
Florencc Jeannette Taylor.

BACHELORS OF LETTERS

Emma Laverne Bishop,
Maud Isabel Bruckshaw,
Matilda Clara Buschman,
Susie Adah DeWitt,
Alice Dunham,
Juliette Alice Handerson,
Ruth Evelyn Haydn,
Sophia Clarke Kenyon,
Maud Harriet King,
Emilie Louise Krug,
Beatrice Moss,
Bertha May Rosenfeld,
Olive Louise Spengler,
Frances Lucille Thomas,
Grace Ethel Tompkins,
Gertrude Elizabeth Vilas.

BACHELORS OF PHILOSOPHY

Marcia Gertrude Bruckshaw,
Luella Lenore Chaffee,
Blanche Genevieve Cole,
Elizabeth Bertha Cristy,
Matilda Fish,
Ethel Eudora May Gifford,
Elizabeth Hubbell,
Florence Edith Jones,
Maria Margaret Kelly,
Bertha May Lee,
Lillie Margaret Sharlow Lothrop,
Charlotte May Parker,
Ethel Marian Peck,
Clara Ridson,
Alice May Wallace.

THE GRADUATE SCHOOL

MASTERS OF ARTS

Isabella Beaton, Ph. B.,
Bessie Mildred Chandler, Ph. B.,
John Fish, Ph. B.
Francis Florian Herr, Ph. B.,
Emma Jean Oram, A. B.

THE MEDICAL COLLEGE

DOCTORS OF MEDICINE

George I. Bauman,
Nathan Worth Brown, B. S.,
Webb Parks Chamberlain, A. B ,
Carl Cherdon,
Frederick Edwards Dilley,
Ralph Woodbury Elliott, Ph. B.,
Henry John Gerstenberger,
William Edward Sampliner,
Edward Jacob Scanlon,
George Wanzer Shepard,
Oscar Merle Shirey,
John Albro Sipher, A. B.,
Charles Edward Spring,
Charles Wesley Thomas, A. B.,

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Homer Harvey Heath, B. L.,
Walter Centennial Hill,
Alfred Alexander Jenkins,
Henry Creath Kelker,
Fred Kern McCune, B. S.,
John Francis Rudolph, A. B.,
Harry David Vail,
John Allen Vincent,
Carl Richard Wedler,
William Hervey White,
Irvin Samuel Workman, B. S.,
Thomas Charles Young.

THE LAW SCHOOL

BACHELORS OF LAW

Walter Silas Adams, A. B.,
William Arnos, A. B.,
William Hugus Chapman,
Harry Tracy Duncan, Ph. B.,
Earl Washington Farwell, A. B.,
Walter Granger,
Andrew James Haggerty,
Edgar A. Hahn,
Lewis Edwin Harvie, Jr.,
Joseph Harvey Kitchen, A. B.,
Samuel Edmund Kramer, Ph. B.,
William John Laub, Ph. B.,
Joseph Timmons Micklethwait,
John Allen Nieding,
George Albert Palda, Ph. B,
Irving Holland Randolph, B. S.,
Raymond Terry Sawyer, Ph. B.,
Ernest Schwartz,
Bartlett C. Shepherd, Ph. B.,
Lewis Daniel Slusser, B. S,
Vernon Leland Stanford, Ph. B.,
Liberty Bernard Ware,
David Ross Warnock,
Benjamin B. Wickham, A. B.

THE DENTAL COLLEGE

DOCTORS OF DENTAL SURGERY

Arthur Andrew Bates,
Charles Christian Bachman,
Will Deville Bissell,
(*honorable mention*).
Leroy Needham Bundy,
John William Culver,
(*honorable mention*).
Harry Guy Decker,
George William Douttiel,
Gerald Felix Doyle,
Frank Arthur Dunn,
Walter Hayes Dewey,
Phillip Henry Felger,
(*honorable mention*).
Albert Kenyon Friend,
(*honorable mention*).
Harrison Deming Lowrey,
Isidor Lymon,
Clarence Elworthy Magee,
Lloyd Andrew Mapes,
Frank Sumner Manchester, B. L.,
(*honorable mention*).
Ralph Edward Miller,
Kennedy Delyle Park,
Edward Lacey Pettibone,
Robert Hartley Ralston,
Henry Stephen Rogers,
Frank Garfield Rummell,
Orrin Franklin Sickman,
Arthur Albert Smith, M. D.,
(*honorable mention*).
Herman Leiter Smith,

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Joseph Garold Foltz,
Albert Lorain Griffis,
(*honorable mention*).
Dwight Charles Hahn,
Edson Hill,
Willis K. Hoch,
(*honorable mention*).
Edward John Kocmit,
Bertram Ward Livingston,
Joseph Elmer Schultz,
(*honorable mention*).
Howard Clinton Standen,
Clarence Roy Thompson,
Robert Lee Wilson,
Kirkum Glenn Worrell,
John Simon Windisch, M. D.,
Newton John Worley,
(*honorable mention*).

HONORS AND PRIZES

ADELBERT COLLEGE

Commencement Honors

First Honor—Feist M. Strauss.
Second Honor—Robert Emmett Finley.
Third Honor—Herbert Ernest Parker.

Junior Honors

Equal Scholarship Honors to
Leonard Corwin Loomis, John Frederick Oberlin,
Carl Peter Paul Vitz.

Phi Beta Kappa Society

Nominated for Membership, June, 1903.

SENIORS

Robert Emmett Finley, Robert Edward Gammel,
Birt Eugene Garver, Harlan Adolphus Hepfinger,
Willis Burton Knisely, Edward Maynard Otis,
Herbert Ernest Parker, Ernest James Reece,
Feist M. Strauss.

JUNIORS

Leonard Corwin Loomis, John Frederick Oberlin,
Carl Peter Paul Vitz.

The Two Year Honor in German to
Oliver Jones.

The Two Year Honor in Mathematics to
Andrew Bracken White.

THE HANDY PHILOSOPHICAL PRIZES

First Prize—Edwin Allen Barnes.
Second Prize—Robert Emmett Finley.

HARRIET PELTON PERKINS SCHOLARSHIP

Raymon Forrest Fritz

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PRESIDENT'S PRIZES

For the highest records for the Freshman Year in:

English

First Prize—Gustav George Laubscher.

Second Prize—Fred Newton Burroughs.

French and German (*Modern Language Course*)

Gustav George Laubscher.

German (*Classical and Latin Scientific Courses*)

Ford Gramlich.

Greek

Howard Thomas McMyler.

Latin

Equally to Ford Gramlich and Gustav George Laubscher.

Mathematics

First Prize—Gustav George Laubscher.

Second Prize—Fred Newton Burroughs.

Gymnasium

Howard Thomas McMyler.

Junior-Sophomore Oratorical Contest

First Junior Prize—Rayman Forrest Fritz.

First Sophomore Prize—Avery Hopwood.

Second Prize—(*irrespective of class*)—Wallace T. Holliday.

THE HOLDEN PRIZE

For the best Essay by a Senior

Willis Burton Knisely.

THE RUPERT HUGHES PRIZES

For the best Poem

Rayman Forrest Fritz.

THE DEBATE PRIZE

Divided equally between

Fred Desberg,
Walter Thomas Dunmore,
Loren Edmunds Souers.

EARLY ENGLISH TEXT SOCIETY PRIZE

Harlan Adolphus Hepfinger.

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THE COLLEGE FOR WOMEN

PRESIDENT'S PRIZES

For Freshman Work in the Gymnasium

First—Florence Woodward.

Second—Elma Annie Marble

HOLDEN PRIZE

For the best English Essay written by a Senior or Junior

Matilda Fish.

ALUMNI ASSOCIATIONS

ADELBERT COLLEGE

President, THOMAS H. BUSHNELL, 1882, Cleveland.
Vice Presidents, MARTYN BONNELL, 1872, Cleveland.
WILLIAM E. CURTIS, 1871, Chicago, Ill.
Recording Secretary, OSCAR J. HORN, 1895, Cleveland.
Corresponding Secretary, SHERMAN ARTER, 1886, Cleveland.
Necrologist, REV. WILLIAM H. JONES, 1887, Cleveland.

VISITING COMMITTEE OF THE ALUMNI

REV. J. D. WILLIAMSON, 1870, Cleveland,
WILLIAM B. PARMELEE, 1883, Hudson, O.
REV. E. P. CLEAVELAND, 1878, Fredonia, N. Y.

THE COLLEGE FOR WOMEN

President, MRS. MARY HOOVER COLLACOTT, 1894, Painesville, O.
Vice President, NORMA GILLETTE SMITH, 1901, Willoughby, O.
Recording Secretary, MARY BUTLER THWING, 1901, Cleveland.
Corresponding Secretary, EDITH ANNETTE HUGHES, 1899, Cleveland.
Treasurer, LOUISE HALL BAKER, 1900, Cleveland.

FINANCE COMMITTEE.

MRS. GRACE LOTTRIDGE RICHARDSON, 1897, Cleveland.
KATHERINE CROXTON, 1896, Cleveland.

THE MEDICAL COLLEGE

President, DR. J. M. INGERSOLL, 1893, Cleveland.
Vice Presidents, DR. A. C. MATHIAS, 1869, McComb, O.
DR. C. V. GARVER, Lorain, O.
Recording Secretary, DR. G. C. ASHMUN, 1873, Cleveland.
Corresponding Secretary, DR. W. S. HOBSON, 1898, Cleveland.
Treasurer, DR. L. A. WHEELOCK, 1900, Cleveland.

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THE LAW SCHOOL

President, D. W. MYERS, 1899, Cleveland.
Vice Presidents, A. B. STRIMPLE, 1898, Cleveland.
W. E. WHITE, 1901.
Secretary, G. W. SHAW, 1900, Cleveland.
Treasurer, O. J. HORN, 1898, Cleveland.

THE DENTAL COLLEGE

President, L. L. BOSWORTH, D. D. S., 1897, Cleveland.
Vice President, F. L. MILES, D. D. S., 1897, Cleveland.
Secretary-Treasurer, G. A. KENNEDY, D. D. S., 1895, Cleveland.

LOCAL ASSOCIATIONS

FOUNDED 1902

NEW YORK ASSOCIATION

President, GEN. G. S. CARPENTER, 1859, New York City.
Vice President, PROF. GEO. T. LADD, 1864, New Haven, Ct.
Secretary, REV. CHAS. HERBERT SCHOLEY, 1895, New York City.
Treasurer, S. E. EMERY, 1899, New York City.

WASHINGTON ASSOCIATION

President, ROBERT W. TAYLOR, 1872.
Secretary, MORRIS J. HOLE, 1899.

NORTHWEST ALUMNI CLUB, CHICAGO

President, ROBERT D. SCOTT, 1872.
Secretary, H. W. PIERSON.
Treasurer, ALICE MCKINLEY, 1896.

CINCINNATI ASSOCIATION

President, HENRY M. CURTIS, 1871, Cincinnati.
Vice President, DR. J. C. REEVE, 1851, Dayton.
Secretary, JOHN E. BRUCE, 1876, Cincinnati.

INDIANA ALUMNI CLUB

President, R. E. HOUGHTON, Richmond.
Secretary, JAMES A. ROBACH, 1884.

COLUMBUS ASSOCIATION

President, ALLEN C. BARROWS, 1861.
Secretary, CAROLINE HARDY, 1901.

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APPENDIX II

ARTICLES OF INCORPORATION OF THE WESTERN RESERVE UNIVERSITY.

We, the undersigned, Rutherford B. Hayes, William J. Boardman, Joseph Perkins, Truman P. Handy, Gustav C. E. Weber, Samuel E. Williamson, George H. Ely, Carroll Cutler, citizens of the State of Ohio, with the view of forming a corporation in pursuance of the Revised Statutes of this State of Ohio, do make, enter into and adopt the following Articles of Incorporation:

ARTICLE I.

The name of the corporation shall be WESTERN RESERVE UNIVERSITY.

ARTICLE II.

The said corporation shall be located in the city of Cleveland, county of Cuyahoga, and State of Ohio.

ARTICLE III.

The purpose for which said corporation is formed is to organize, establish and maintain in said city of Cleveland a University for the promotion of learning by means of Departments of Medicine, of Law, of Philosophy, of Art, of Music, and such other means of education as may be deemed advisable by the Board of Trustees of said corporation.

RUTHERFORD B. HAYES,
WILLIAM J. BOARDMAN,
JOSEPH PERKINS,
TRUMAN P. HANDY,
GUSTAV C. E. WEBER,
SAMUEL E. WILLIAMSON,
GEORGE H. ELY,
CARROLL CUTLER.

Cleveland, April 5, 1884.

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AN ACT

To incorporate the Trustees of the Western Reserve College.

Section 1. Be it enacted by the General Assembly of the State of Ohio, That George Swift and Zalmon Fitch, of Trumbull county: Caleb Pitkin, Elizur Wright, John Seward, Jr., Benjamin Fenn, Joshua B. Sherwood and David Hudson, of Portage county; Stephen I. Bradstreet and Simeon Woodruff, of Cuyahoga county; Henry Brown and Hermon Kingsbury, of Lorain county, and their successors, be, and they are hereby created a body politic and corporate, to be styled the Board of Trustees of the Western Reserve College, and by that name to remain in perpetual succession, with full powers to sue and be sued, plead and be pleaded; to acquire, hold, and convey property, real and personal; to have and use a common seal; to alter and renew the same at pleasure; to make and alter from time to time such by-laws as they may deem necessary for the government of said institution, its officers and servants. *Provided,* such by-laws are not inconsistent with the Constitution and the Laws of the United States, or of this State; also to have power to confer on those whom they may deem worthy, all such honors and degrees as are usually conferred in similar institutions.

Sec. 2. That the said College shall be located in the township of Hudson, in the county of Portage, and shall be erected on a plan sufficiently extensive to afford instruction in the Liberal Arts and Sciences, and the Trustees may, as their ability shall increase, and the interests of the community require, erect additional departments for the study of any or all of the liberal professions.

Sec. 3. That the Board of Trustees shall, from time to time, appoint a President, Vice-President, and other officers and instructors, and also such servants of the institution as may be necessary; and shall have power to displace any or either of them for good and sufficient reasons; and also to fill vacancies which may happen by resignation, death or otherwise, in said Board or among said officers or said servants; and also to prescribe and direct the course of study to be pursued in said institution and its departments.

Sec. 4. The President of the College shall be, ex-officio, a member of the Board of Trustees and President of the same; and in his absence the Vice-President shall preside in the meeting of the Board; and in the absence of both the President and Vice-President the Board shall elect one of their own members to preside for the time being. *Provided,* that if any of said Trustees shall be permanently

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appointed President of said College, his office of Trustee shall be deemed vacant, and the Board of Trustees shall fill the same accordingly.

Sec. 5. That the Board of Trustees shall consist of twelve members,* exclusive of the President, any seven of whom shall constitute a quorum to do business; said Board of Trustees shall hold their first annual meeting in the township of Hudson, on the first Wednesday of March, eighteen hundred and twenty-six; and afterwards they shall meet on their own appointments, but in cases of emergency the President, with the advice of two Trustees, may call a special meeting of the Board, or any five members may call such meeting by giving notice to each member at least ten days before the time of said meeting.

Sec. 6. The Board of Trustees shall faithfully apply all funds by them collected or received, according to their best judgment, in erecting suitable buildings, supporting the necessary officers, instructors and servants, and in procuring books, maps, charts, globes, and other apparatus necessary to the success of the institution. *Provided, nevertheless,* that in any case any donation or bequest shall be made for particular purposes accordant with the design of this institution, and the Corporation shall receive and accept the same, every donation or bequest shall be applied in conformity to the conditions or design expressed by the donor.

Sec. 7. The Treasurer of the institution shall always, and all other agents when required, before entering on the duties of their appointments, give bonds for the security of the Corporation and of the public in such penal sums and with such securities as the Board of Trustees shall approve, and that all process against the Corporation shall be by summons, and the service of the same shall be by leaving an attested copy thereof with the Treasurer, at least thirty days before the return thereof.

Sec. 8. That the Legislature shall have a right to alter or amend this act when they deem it necessary. *Provided,* that no fund or property belonging to said College shall ever be by law appropriated to any other purpose.

WM. W. IRVIN,
Speaker of the House of Representatives.
ALLEN TRIMBLE,
Speaker of the Senate.

*Subsequently amended by the General Statutes of Ohio, so as to increase the number to twenty-four and the quorum to thirteen.

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AN ACT

To amend an act entitled "An act to incorporate the Trustees of the Western Reserve College," passed January 7th, 1826.

Section 1. Be it enacted by the General Assembly of the State of Ohio, That the Trustees of the Western Reserve College shall be, and hereby are authorizd to establish the Medical Department, contemplated by the act of which this is amendatory, in the City of Cleveland, in the same manner and with like power to confer degrees and award diplomas, as though the same department had been established under said act hereby amended, at Hudson.

JOHN M. GALLAGHER,
Speaker of the House of Representatives.

THOMAS W. BARTLEY,
Speaker of the Senate.

February 23d, A. D. 1844.

State of Ohio, Summit County, ss.

IN COURT OF COMMON PLEAS,
September Term, 1881.

Board of Trustees of the Western Reserve College, Plaintiffs. To change name.

Journal, Vol. 24, page 191. Transcript of Journal Entry.

This cause came on to be heard upon petition of the Board of Trustees of the Western Reserve College, a Corporation the principal office of which is located in the county of Summit, in the State of Ohio, for a change of the name of said Corporation to Adelbert College of Western Reserve University, and the evidence, on consideration whereof the Courts find that thirty days' notice of the object and prayer of the petitioners has been given by publication in a newspaper of general circulation in said county, according to law, that all of the statements in said petition contained are true, and that there is good cause for the change of name prayed for in said petition. It is therefore ordered by the Court that the name of said Corporation be and the same is hereby changed from the Board of Trustees of the Western Reserve College to Adelbert College of Western Reserve University.

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DIRECTORY

The names of instructors and officers are printed in italics. Each name is followed by an abbreviation indicating the department to which the person belongs, viz:—A, Adelbert College; D, Dental Department; G, Graduate Department; L, Law School; M, Medical College; W, College for Women.

Adams, P. M.—A.....Adelbert Hall
Aikins, H. A.—W.....23 Adelbert Hall
Alburn, C. R.—A.....201 Adelbert St.
Alburn, L. A.—W.....Haydn Hall
Alburn, J. A.—L.....Adelbert Hall
Alexander, D. C.—A....65 Jennings Av.
Allen, F. E.—W.....Guilford House
Allen, L. C.—W.....90 Kenilworth St.
Allison, A. L. R.—A.....92 Fourth Av.
Allison, E. N.—D.....825 Superior St.
Allison, R. S.—W.....Haydn Hall
Ambler, H. L.—D.....176 Euclid Av.
Amerman, J. L.—L.....33 Vienna St.
Anderson, J.—M....710 E. Prospect St.
Anderson, T. B.—A....201 Adelbert St.
Anderson, M. E.—W....Guilford House
Andrew, V.—W.....Haydn Hall
Andrews, E. R.—A.....Lakewood
Annin, E. C.—W.....Guilford House
Anway, F. L.—D.....89 Handy St.
Armstrong, T. E.—D..Sterlingw'th Flts.
Armstrong, L.—W.....962 Willson Av.
Atchison, J. B.—D.....147 Quinby Av.
Austin, C. T.—L.....135 Streator Av.
Avery, L. C.—W....657 Woodland Hills

Banker, N. S.—M.....739 Superior St.
Barkley, J. C.—L..1409 Lexington Av.
Barnard, B. C.—M....Erie and St. Clair
Bard, H. L.—A.....1341 Lorain St.
Barden, J. P., Jr.—A..201 Adelbert St.
Barnett, G. F.—A.....116 Streator Av.
Barr, W. E.—A.....35 Woodlawn Av.
Bauman, E. C.—W...185 Bellflower Av.
Beaton, I.—G.....462 Kinsman St.
Becker, H. A.—M.....105 Lenox Bldg.
Bejack, M.—L.....72 Van Buren St.
Beman, L. T.—G.....29 McConnell St.
Bemis, A. H.—A....225 E. Prospect St.
Bentley, J. R.—D.....303 Prospect St.
Benton, E. J.—A.....3020 Euclid Av.
Bens, H. S.—A.....10 Diamond Pk. St.
Berger, S. S.—M.....173 Forest Av.
Berkes, H. A.—A.....52 Elberon St.
Berman, S. L.—A....835 Woodland Av.
Bernsteen, M. L.—L.....67 Fifth Av.
Bernstein, M.—L.....65 Scovill Av.
Bevard, R. R.—D.....160 Sixth Av.
Biddle, F. R.—W.....1264 Cedar Av.
Bill, C. P.—A.....853 Logan Av.
Binkard, H. R.—D....831 Prospect St.
Birge, R. H.—M.....260 Euclid Av.
Bishop, H. V.—A.....The Euclid
Blackburn, H. W.—A..116 Streator Av.
Blackman, J. C.—A.217 Murray Hill Av.
Bloomburg, J.—A.....309 Forest St.
Boggs, J.—W.....1257 Euclid Av.
Bolden, J. J. L.—M.....25 Newton St.
Boltman, C. G.—W.....49 Vienna St.
Borgerhoff, J. L.—W...3020 Euclid Av.
Bourland, B. P.—A....2662 Euclid Av.
Bourne, H. E.—W.....144 Cornell St.
Bowman, B. H.—D.....156 Dodge St.
Boyd, M. V.—D.....792 Superior St.
Boyd, R. B.—A.....61 Penrose Av.
Brett, J. H.—M.....34 Ocean St.
Brett, W. H.—Lib'y.....205 Wood St.
Brewster, A. L.—W....276 Hosmer St.
Briggs, C. E.—M..The New Amsterdam
Briggs, W. D.—A.....2662 Euclid Av.
Brooks, F. M.—W.....6 The Heyse
Brown, A. I.—D.....225 Lawn St.
Brown, C. A.—D.....523 Prospect St.
Bruner, W. E.—M.....
514 New England Bldg.
Buchan, H. H.—W....272 Harkness Av.
Buckmaster, J. A.—W..Guilford House
Buckstein, F.—A.....34 Paddock Pl.
Budde, I. F.—W.....116 Spangler Av.
Burgeon, C. P.—L..134 Murray Hill Av.
Burroughs, F. W.—A.....Collinwood
Burroughs, S. H.—M....11 Cheshire St.
Buschman, C. M.—W....Guilford House
Buschman, M. C.—G....2 Hayward St.
Bushnell, F. C.—W.....648 Castle Av.

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Campbell, H. G.—W.....993 Cedar Av.
Campbell, R. S.—A....2209 Superior St.
Canfield, H. H.—A.....Euclid Hts.
Cannell, A. G.—W.....247 Miles Av.
Carabin, F. A.—L.....117 Adelbert St.
Carabin, M. A.—W....2238 Euclid Av.
Carnes, W. B.—A.....201 Adelbert St.
Carpenter, A. G.—L....125 Streator Av.
Carson, Wm.—D.....260 Prospect St.
Carter, E. P.—M.....260 Euclid Av.
Cartwright, A. A.—A....818 Hough Av.
Case, C. J.—A....148 Murray Hill Av.
Case, C. L.—L.....995 Doan St.
Chaffee, S. L.—A.....21 Adelbert Hall
Challis, W. B.—D.....147 Quinby Av.
Chamberlin, W. B.—M..275 Prospect St.
Chandler, B. M.—W.....894 Case Av.
Chapel, R. E.—A.....140 Cornell St.
Chapman, H. B.—L.....E. Cleveland
Chapman, M. E.—W.103 Marcelline Av.
Chase, C. S.—M..Erie and St. Clair St.
Cheetham, A. M.—M.805 E Madison Av.
Cherney, E. J.—L.....57 Woodland Ct.
Chotek, L. A.—A.....55 Hamlet St.
Christie, L. M.—D....136 Brownell St.
Clague, L. M.—W.....103 Sterling Av.
Clark, A. J.—D.....739 Superior St.
Clark, C. H.—D.....260 Prospect St.
Clark, F. S.—M.....621 Rose Bldg.
Clark, M. A.—W.....Guilford House
Clemens, C. E.—W....1093 Prospect St.
Cleveland, A. M.—W....392 Bolton Av.
Cline, H. L.—A.....201 Adelbert St.
Clyne, N. T.—L.....309 Franklin Av.
Coates, J. A.—D.....45 Hough Av.
Coe, C. M.—A.....Glenville
Cobb, F. M.—L.....2509 Euclid Av.
Cobb, P. W.—M.....743 Republic St.
Cohn, M. T.—A.....330 Genesee Av.
Colt, L. E.—W.....Haydn Hall
Cole, E. P.—L....130 Murray Hill Av.
Collard, K. E.—W.....189 Taylor St.
Collins, R. E.—L.....
1934 Woodland Hills Av.
Collings, R. J.—W.....128 Duane St.
Comin, H. L.—A.....102 Adelbert St.
Conant, J. L.—A....1701 Dennison Av.
Condé, E.—W.....33 Wellesley St.
Connell, A. E.—M.....Dunham Pl.
Cook, M.—W.....304 Franklin Av.
Cook, W. H.—A.....724 Republic St.
Cooke, E. D.—W.....44 Hough Pl.
Cooper, W. C.—D....1004 Woodland Av.
Cornell, A. E.—A.....148 Taylor St.
Corrigan, F. P.—M.....66 Gorman Av.
Coss, A. V.—A....127 Murray Hill Av.
Counts, A. F.—A.....13 Adelbert Hall
Cox, E. H.—M.....513 E. Prospect St.
Crafts, M. W.—L.134 Murray Hill Av.
Cramer, L. M.—W....861 Scranton Av.
Cranz, C.—W.....Haydn Hall
Crow, F.—L.....151 Cornell St.
Culp, W. E.—D.....341 Huron St.
Cummer, C. L.—A.....396 Bolton Av.
Curtis, M. M.—A.....43 Adelbert St.
Curtis, N. F.—A.....22 Adelbert Hall
Cushing, H. P.—A.....260 Sibley
Cowgill, M. H.—W....756 N. Logan Av.

Daniels, G. M.—W.....Haydn Hall
Daniels, J. E.—W.....Haydn Hall
Darby, J. C.—M.....207 Osborn Bldg.
Davey, W. P.—A.....76 Gaylord St.
Davis, A. S.—L...131 Murray Hill Av.
Davis, D. O.—L...134 Murray Hill Av.
Davis, E. F.—M.....124 Handy St.
Davis, H. H.—A.....457 Franklin Av.
Davis, L. P.—A.....Adelbert Hall
Day, F. E.—A.....435 Dunham Av.
Day, M. E. C.—W...2100 Dennison Av.
Day, M. F.—W.....Guilford House
Debout, D. B.—D...136 Huntington St.
Deeley, W. S.—D.....178 Herald St.
Deering, R. W.—W.....2662 Euclid Av.
De Fries, R. G.—A.....8 Adelbert Hall
Delahunt, I.—W.....82 Hough Pl.
De Laney, M.—W.....305 Huron St.
Dellinger, J. H.—A.....818 Hough Av.
Dembowski, S. F.—L.....36 Colley St.
Desberg, F.—L.....1050 Central Av.
Dickenson, J., Jr.—M..205 Osborn Bldg.
Dickerman, J.—A.....1957 Doan St.
Difford, C. L.—M.....49 Alum St.
Dixon, H.—D.....708 Superior St.
Doering, V. F.—W....1817 Willson Av.
Dolley, D. H.—M....Lakeside Hospital
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Donaldson, J. B.—M...154 N. Perry St.

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Dunmore, W. T.—L....255 Streator Av.
Dunnells, C. K.—W.....49 Knox St.
Dunning, E. L.—W.....Haydn Hall
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Fliedner, G. B.—A.....50 Higgins St.
Fliedner, P. M.—W..160 Wellington Av.
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Flower, Mrs. A. G.—M.....
Erie & St. Clair Sts.
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Ford, J. A.—L.....126 Ingleside Av.
Ford, R. A.—L.....2132 Euclid Av.

Fowler, H. N.—W.....49 Cornell St.
Frankle, K. G.—D.....260 Prospect St.
Frasier, J. W.—D.....The Gladstone
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Furth, C.—W.....The Whitehall
Furth, H.—W.....The Whitehall

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Gamble, J. K.—M.....161 Sibley St.
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Garman, C. P.—A.....Eldred Hall
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Garver, B. E.—M.....The Cary
Gehlke, C. E.—A.....40 Abram St.
George, E. A.—A.....101 Burton St.
Gerstenberger, L. L&G.—A.....
242 Oakdale St.
Geuder, C. C.—W.....Guilford House
Gibbons, C. E.—A.....Euclid Hts.
Gilchrist, H.—W.....Guilford House
Gillie, W. H.—A.....117 Adelbert St.
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Gillin, E. L.—W.....91 Quincy St.
Gillmer, B.—W.....Guilford House
Gleason, A. G.—W.....168 Cedar Av.
Gleeson, J. A.—W.....54 Kenwood
Golden, H. G.—M.....3425 Euclid Av.
Goldsmith, S. R.—A....250 Kennard St.
Goodman, I J.—M....264 Columbus St.
Goodman, N. W.—D.....341 Huron St.
Gramlich, F.—A.....2103 Doan St.
Gray, S. E.—W.....199 Quincy St.
Green, D. E.—L.....131 Murray Hill
Green, F. W.—L.....Rice Av., Newburg
Greeman, C. M.—A.....43 Burt St.
Grills, A. T.—M.....17½ Williams St.
Griswold, R. H.—A....116 Streator Av.
Gruener, H.—A.....43 Knox St.
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Gunn, J. J.—A.....153 Dibble Av.

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Hagan, M. E.—W.....886 Willson Av.
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Hall, R. A.—M
Hamann, C. A.—D.....661 Prospect St.
Hammond, A. P.—M.....984 Scovill Av.
Haines, A. W.—D.....407 Prospect St.
Hall, E. T.—L.....3218 Doan St.
Hall, T. Jr,—L....156 Murray Hill Av.
Hamilton, C. K.—W.....Haydn Hall
Handyside, D. P.—A....25 William St.
Haring, H. A.—Treas.....78 Cornell St.
Harris, J. McC.—A...787 N. Logan Av.
Harris, Chas.—A.....787 N. Logan Av.
Hatcher, R. A.—M..Erie & St. Clair Sts.
Hardesty, C. L.—L.....203 Adelbert St.
Hartshorn, G. E.—L.....
130 Murray Hill Av.
Haskell, R. H.—A.....Willoughby
Hasse, P. F.—A.....1667 Pearl St.
Hassler, L. M.—W.....39 Williams St.
Hastings, H. W.—L.....28 Mayfield St.
Hatter, N. B.—W.....8 Keyes St.
Hauser, E. S.—W.....Haydn Hall
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Haydn, H. C.—W....173 Bellflower Av.
Haydn, H. M.—W.....95 Mayfield St.
Hayen, L. R.—D.....20 Haven St.
Heidenreich, E.—W.....18 Selden Av.
Heinemann, D.—W.....46 Euclid Pl.
Heinmiller, W. H. C—A.39 Steinway Av.
Heller, Wm.—D.....347 Euclid Av.
Henning, H. S.—W.....Guilford House
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Herr, F. F.—G.....1276 Scranton Av.
Herrick, F. C.—M.....367 Erie St.
Herrick, F. H.—A.....43 Cutler St.
Herrick, F. R.—L.....449 Russell Av.
Herrick, H. W.—A.....3006 Euclid Av.
Hetzel, H. M.—W.....Haydn Hall
Heydenburk, I.—W.....Haydn Hall
Hill, E. M.—W.....758 Hough Av.
Hinde, F. A.—W.....Haydn Hall
Hinds, C. J.—L.....261 Van Ness Av.
Hird, E. F.—A.....26 Nantucket St.
Hitchcock, H. M.—L...861 Prospect St.
Hobson, F. A.—W.....123 Oakdale St.
Hobson, W. S.—D.....2288 Euclid Av.
Hodgman, K. E.—A....116 Streator Av.
Hodgson, A. E.—A.....194 Central Av.
Hoenig, F. L.—A.....134 Fram St.
Hofmann, J. A.—M.....161 Putnam St.
Hogg, J. H.—L.....2638 St. Clair St.
Hole, C. M.—M.....Cedar Av.
Holeman, R. B.—D..136 Huntington St.
Holliday, W. T.—A.....
156 Murray Hill Av.
Honecker, M. I.—W...482 Jennings Av.
Honeywell, S. M.—W...315 Genesee Av.
Hopkins, E. H.—L.....84 Miles Av.
Hopkinson, M. E.—W...288 Gordon Av.
Horn, C. M.—W.....224 Slater Av.
Horsburgh, M. J.—W...151 Hoadley St.
Horst, A. J.—A.....66 Bigelow St.
Hoskins, F. C.—M.....38 Wilbur Av.
Hostetler, C. N.—A.....26 Wilbur St.
Howells, J. A.—W.....365 Miles Av.
Howk, L. E.—D.....116 Commodore St.
Howland, P.—L.....Huron Terrace
Hanson, E. M.—W....2220 Willson Av.
Hubbard, T.—W.....4254 Euclid Av.
Hubbell, F. M.—A.....673 Franklin Av.
Huff, F. H.—D.....The Ellington
Hulbert, W. O.—A..127 Murray Hill Av.
Hulme, W. H.—W.....48 Mayfield St.
Hutchings, L. H.—D.....111 Wade Av.
Hurst, E. M.—W.....401 Rosedale Av.
Hutchinson, F. H.—W.....Haydn Hall
Hyde, R. E.—A.....1957 Doan St.

Ikirt, F. H.—M
Ingalls, N. W.—M.....9 Dodge Ct.

Jackson, F. W.—M.....Hotel Beverly
Jackson, R. E.—D.....593 Scovill Av.
Jackson, V. M.—W.1057 E. Madison Av.
Jackson, W. S.—L.....Adelbert Hall
James, C. B.—A.....South Euclid
Janousek, E. A.—W.....1772 Broadway
Jarecki, R. W.—L.....63 Deering St.
Jenks, P. R.—A.....Nottingham
Jeschke, M. L.—W....83 Livingston St.
Johnson, B.—W.....41 Mt. Union St.
Johnson, H. H.—L.....Overlook Rd.
Jones, E. M.—W.1143 Woodland Hills
Jones, E. P.—D.....58 Eastman St.
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Jones, M. D.—W.....Independent St.
Jones, O.—A.....148 Murray Hill Av.
Joslyn, K. E.—W.....Guilford House

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Katz, M. E.—L.....241 Beech St.
Keeler, J. A.—W.....Guilford House
Kelly, E. E.—W.....25 Vienna St.
Kelton, E. C.—W.....Guilford House
Kendall, M. B.—W.....1306 Cedar Av.
Kennan, R. R.—W.....Guilford House
Kennerdell, T. R.—A.88 Merchants Av.
Kenney, W. A.—G.....143 Cornell St.
Kent, D. McK.—D..12 Dellenbaugh Av.
Kenyon, H. C.—D.....677 The Arcade
Kiefer, L. R.—W.....Guilford House
King, A. A.—A.....151 Cornell St.
King, G. A.—W.....Guilford House
King, P. F.—M.....792 Superior St.
Kirk, H. W.—W.....27 Brookfield St.
Kirkbride, C. T.—L...135 Streator Av.
Kitchen, J. H.—L.....858 Euclid Av.
Kline, J. C.—D.....1379 Lexington Av.
Kline, J. P.—D.....1379 Lexington Av.
Konigslow, E.—W.....882 Scovill Av.
Knapp, A. C.—D.....710 Superior St.
Knowlton, M.—W.....530 Jennings Av.
Koblitz, E. M.—M.....Kennard St.
Krauss, C. L.—W.....1997 Superior St.
Kurzenberger, W.—L.....72 Noyes St.

Landsberg, R.—W.....The Euclid
Lang, F. A. H.—A....1383 Cedar Av.
Lanphear, W. P. Jr.—A.782 Republic St.
Laubscher, G. G.—A.....134 Duane St.
Laughbaum, M. A.—M.....
Lakeside Hospital
Laughren, W. A.—L.1571 Woodland Av.
Laurer, C.—D.....171 Dodge St.
Laurer, C. R.—D.....171 Dodd St.
Lawrence, E. J.—M...413 The Ellington
Lawrence, E. I.—L.....4 Streator Pl.
Lawrence, J.—L.....709 Genesee Av.
Lawrence, H. S.—D.....Lakewood
Layman, L. R.—W.....Guilford House
Lea, F. W.—A.....12 Adelbert Hall
Lee, B. M.—G.....71 Tilden Av.
Lee, M. A.—A.....157 Cornell St.
Leet, K. F.—L.....20 Lakeview Av.
Lemmon, W. B.—A.130 N. Chandler Av.
Lemperly, L.—W.....574 Franklin Av.
Lenhart, C. H.—M.....1234 Oakdale St.
Leon, G. H.—W.....1428 Willson Av.
Leonard, F. P.—D.....The Gladstone
Lessick, F. A.—W.....486 Giddings Av.
Leuhrs, F. M.—W.....580 Willson Av.
Leutner, W. G.—A....137 Arlington St.
Lewis, W. A.—M...Erie & St. Clair St.
Libby, G. L.—W.....220 Princeton St.
Linn, I.—W.....151 Courtland St.
Linn, L. R.—W.....112 Dibble Av.
Lipschitz, B.—D.....190 Greenwood St.
Loewinger, E. A.—M....390 Scovill Av.
Logue, J. C.—A.....1 Plymouth St.
Lombard, B. A.—W...462 Giddings Av.
Longsworth,, W. I.—A..201 Adelbert St.
Loomis, L. C.—A.....1280 Willson Av.
Lovett, M. P.—W.....Haydn Hall
Lowe, R. C.—A.....116 Streator Av.
Lower, W. E.—M.....275 Prospect St.
Lucas, E. H.—W.....12 Ames St.
Lucas, W. P.—M.....49 Idlewood Av.
Luehrs, N. M.—W.....580 Willson Av.
Lustig, H.—L.....2773 Broadway
Lyman, M. E.—W.....Guilford House
Lyttle, C. H.—A.....52 Arlington St.

McArthur, A. F.—A....203 Oakdale St.
McCartney, J. H.—G.....Bedford
McClure, R. H.—M.....53 Holyoke Pl.
McClure, W. C.—L....28 Nantucket St.
McCullough, R. C.—L.....Adelbert Hall
McCurdy, S. M.—M
McDonaugh, J. F.—D.....
449 W. Madison Av.
McDowell, J. R.—M.....The Cary
McFate, J. C.—M.....739 Superior St.
McFall, J. B.—W.....Guilford House
MacIntyre, A. L.—W....136 Sawtell Av.
McKean, R. B.—W.....Guilford House
McKelvy, E.—A.....12 Adelbert Hall
McKeon, J. S.—A.....151 Cornell St.
McKim, E. B.—W.....Guilford House
MacMahon, E. T.—G....1616 Lorain St.
McMullin, B. B.—A.....151 Cornell St.
McMurray, S. E.—W....Guilford House
McMyler, H. T.—A.....Warrensville
McWatters, G. B.—A...125 Adelbert St.
McWilliams, L.—L...809 Fairmount St.
McWilliams, L. J.—A....1114 Case Av.
Magargee, G. W.—M....Erie & St. Clair
Magner, C. T.—D.....54 Collins Pl.
Malin, W. C.—A.....7 Victoria Av.
Maloney, C. H.—D.....16 Granger St.

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Maloney, W. A.—D.....16 Granger St.
Maltby, B. T.—D.....22 Wilmington St.
Maltby, B. J.—D.....22 Wilmington St.
Mann, A. S.—L.....1785 Cedar Av.
Mann, C. S.—A.....1785 Cedar Av.
Mann, R. L.—W.....40 Hillister St.
Manley, R. M.—M
Marble, E. A.—W.....Haydn Hall
March, F. O.—A.....157 Cornell St.
Marshall, J. H.—A.....151 Cornell St.
Martin, W. C.—A.....84 Marvin Av.
Marvin, W. T.—A.....43 Spangler Av.
Mathews, J. E.—A.....22 Dallas St.
Mathievet, E. C.—L.....98 Tilden Av.
Mattill, H. A.—A.....20 Sanford St.
Mattingby, C. K.—D.....Lincoln Hotel
Maxwell, H. E.—D.....The Whittaker
Merriam, W. H.—M...275 Prospect St.
Merrill, G. E.—W.....59 Knox St.
Merrills, B. N.—A.....Adelbert Hall
Metzenbaum, J.—L.....1117 Case Av.
Meyer, E. S.—A.....Billings Av.
Meyer, J. H.—A.....844 Logan Av.
Myers, C. L.—W.....95 Mayfield St.
Myers, R. V.—A.....1617 Cedar Av.
Michel, E. E.—W....1869 Superior St.
Miller, C. W.—A.....26 Anndale Av.
Miller, C. R.—A.....35 Billings Av.
Miller, L. M.—W.....Haydn Hall
Miller, W. A.—A.....Hiram House
Miller, W. T.—A...999 E. Madison Av.
Mills, J.—A.....81 Mayfield St.
Mills, V. G.—A.....75 Beersford Pl.
Minnig, A.—A.....22 Cornell St.
Miser, W. G.—A.....16 Adelbert Hall
Mitchell, G. C.—D.....347 Euclid Av.
Mitchell, L. M.—W.....14 Stanley Av.
Mitchnick, M.—A.....34 Paddock Pl.
Moffett, H. E.—D....1018 Scranton Av.
Moffett, R. R.—L.....715 N. Logan Av.
Molony, M. C.—W.....156 Jennings Av.
Monson, M. A.—W.....Guilford House
Mooney, N. N.—D.....782 Superior St.
Moore, L. G.—M.....446 Euclid Av.
Moorehouse, G. W.—M...842 Logan Av.
Morgan, A. L.—W.....2232 Willson Av.
Morgan, J. R.—L..130 Murray Hill Av.
Morley, E. W.—A.....63 Ingleside Av.
Morris, C. A.—L....189 W. Madison Av.
Morris, M. A.—W..189 W. Madison Av.
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Morton, A. W.—A.....44 Frank St.
Moses, M.—W.....1197 Case Av.
Motherwell, R. B.—A...142 Cornell St.
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Mueller, A.—W.....53 Chestnut St.
Mueller, G. C. F.—A.....1049 Doan St.
Mueller, G. M.—W.....730 Willson Av.
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Murphy, J. G.—L.....1139 Superior St.
Myers, F. E.—W.....1 Glen Park Pl.
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Nimmons, W. T—A.127 Murray Hill Av.
Nisbet, V. A.—W.....439 Russell Av.
Noland, H. J.—W.....1155 Doan St.
Nord, H. J.—L.....Eldred Hall
Norton, J. T.—A....516 E. Prospect St.
Nostran, R. V.—W....204 Harkness Av.
Nutt, A. P.—A.....127 Murray Hill Av.

Oakley, A. E.—W.....800 Hough Av.
Oakley, L. E.—W.....800 Hough Av.
Oakley, L. M.—W.....800 Hough Av.
Oberlin, J. F.—A.....21 Adelbert Hall
Ochs, K E.—M.....1103 Central Av.
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O'Connor, J. H. A.—L....4 Streator Pl.
O'Connor, N. A.—M.....
224 Starkweather Av.
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Opperman, A. E.—A.....14 Winchester
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Quayle, Z. G.—W.....290 Sibley St.
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Schuele, L. C.—W.....15 Jay St.
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Seagrave, P. W.—A.....56 Mayfield St.
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Seesholtz, A. G.—W....Guilford House
Segur, F. H.—D.....407 Prospect St.
Seids, A. C.—D.....171 Dodd St.
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Semple, M. V.—L..156 Murray Hill Av.
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Sheuer, J.—A.....16 Adelbert Hall
Shreve, C. G.—A...127 Murray Hill Av.
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Shube, O. S.—D.....87 Linden St.
Shulman, B. O.—L....14 Stranwood St.
Sill, R. H.—M.....53 Holyoke Pl.
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Sipe, D. R.—A..127 Murray Hill Av.
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Stevens, H. F.—W.....2036 Broadway
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Stickle, R. J.—A.....143 Cornell St.
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Stone, F. A.—L.....2071 Doan St.
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Strangways, T. M.—D..739 Superior St.
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Thomas, G. F.—M.....192 Erie St.
Thomas, G. L.—W....2688 Warner Rd.
Thomas, H. A.—W.....27 Walker St.
Thomas, J. J.—M.....665 Hough Av.
Thomas, O. T.—M.....85 Edgewood Pl.
Tompkins, W. K.—L.....149 Cedar Av.
Thompson, J. E.—M.168 Crawford Rd.
Thompson, L. R.—A.....44 Burt St.
Thwing, C. C.—A..156 Murray Hill Av.
Thwing, C. F.—Prest...55 Bellflower Av.
Torrey, B L.—W.....
4132 Euclid Av., E. Cleveland
Tower, O. F.—A.....
The Euclid, 2662 Euclid Av.
Towslee, L. G.—W..406-8 Osborn Bldg.
Tracy, F. E.—W.....Euclid, O.
Trowbridge, F. L.—L.....84 Miles Av.
Truxal, G. W.—A.....23 Kelton St.
Tryan, S. B.—M.....
Tuckerman, L. M.—W...Guilford House
Turney, J. M.—G...219 N. St. Clair St.
Turrill, G. D.—A.....401 Rosedale Av.
Turrill, G L.—W.....401 Rosedale Av.
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Tyler, C. W.—L.....25 Grace Av.

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Van Epps, M. E.—W..905 S. Logan Av.
Van Nostran, E L.—W.....
204 Harkness Av.
Van Vliet, M. L.—W..373 Harkness Av.
Van Voorhis, R. F.—A....1492 Dix St.
Van Wormer, V. W.—W....27 Kirk St.
Vincent, F. W.—M.....Hiram House
Vitz, C. P. P.—A.....45 Marvin Av.
Von den Steinen, E.—A.883 Central Av.

Wachner, S. C.—A.....Adelbert Hall
Waddle, G. A.—L.....2071 Doan St.
Wadsworth, C. H.—D..1304 Euclid Av.
Wagner, H. G.—M.....702 Rose Bldg.
Wait, M. C.—W.....17 Republic Pl.
Waite, F. E.—L.....785 Superior St.
Walker, E. W.—D.....156 Dodge St.
Wallace, A. E.—W.....Guilford House
Wallace, C W.—A.....Willoughby
Wallace, N. F.—W.....67 Tilden Av.
Wallace, S. J.—L.....Northfield
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Ward, B. B.—M.....
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Wenger, R. F.—M....50 Davenport St.
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White, A. B.—A.....19 La Grange St.
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White, H. C.—L.....344 Harkness Av.
White, H. L.—W.....49 Cory St.
Whitman, F. P.—A.....79 Adelbert St.
Whitsler, W. H.—D..700 Schofield Bldg.
Whitworth, E. C.—W....61 Gorman Av.
Wilbur, R. C.—L....820 Fairmount St.
Wilkin, M. B.—W.....
The Kenmore, Cedar Av.
Williams, C.—W.....43 Beersford Pl.
Williams, C. D.—M.....717 Rose Bldg
Williams, E. C.—Llb....71 Elberon Av.
Williams, F. R.—L.....700 Payne Av.
Williams, H. R.—A.....22 Cornell St.
Williams, J. F.—A.....151 Cornell St.
Williams, L. B.—W....127 Streator Av.
Williamson, C. C.—A.117 Ridgewood Av.
Wilson, G. H.—D....701 Schofield Bldg.
Wilson, H. R. C.—D.....74 Burt St.
Wilson, J. W.—A.....46 Murial Av.
Wilcox, A. G.—M.....117 Dodge St.
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Winger, M. L.—D.....798 Republic St.
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Wittler, M.—W.....Haydn Hall
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Yaggi, H. K.—M.....314 Dunham Av.
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CLEVELAND OHIO

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1905
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1904-1905

[WITH ANNOUNCEMENTS FOR 1905-1906]

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CALENDAR*

1904.		
19-20 Sept.	Monday-Tuesday	Examinations for admission; matriculation and registration.
20 Sept.	Tuesday	First term begins.
24 Nov.	Thursday	Thanksgiving day.
23 Dec.	Friday (evening)	Winter recess begins.
1905.		
3 Jan.	Tuesday (evening)	Winter recess ends.
26 Jan.	Thursday	Examinations begin.
4 Feb.	Saturday	First term ends.
5 Feb.	Sunday	Day of prayer for colleges.
6 Feb.	Monday	Second term begins.
22 Feb.	Wednesday(evening)	Washington's birthday.
19 April	Wednesday(evening)	Easter recess begins.
26 April	Wednesday	Easter recess ends.
30 May	Tuesday	Decoration day.
1 June	Thursday	General examinations begin.
11 June	Sunday	Baccalaureate sermon.
12 June	Monday	Undergraduate day.
13 June	Tuesday	Prize oratorical contest, Adelbert College.
14 June	Wednesday	Meeting of alumni.
14 June	Wednesday	Commencement, College for Women.
15 June	Thursday	COMMENCEMENT.
16-17 June	Friday-Saturday	Examinations for admission.

SUMMER VACATION OF THIRTEEN WEEKS

18-19 Sept.	Monday-Tuesday	Examinations for admission; matriculation and registration.
19 Sept.	Tuesday	First term begins
30 Nov.	Thursday	Thanksgiving day.
22 Dec.	Friday (evening)	Winter recess begins.
1906.		
3 Feb.	Saturday	First term ends.

*For Library School the Easter recess extends to April 29; general examinations begin June 5; examinations for admission (1905) September 7-8, and first term begins September 12.

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..1904..

JULY

S.	M.	T.	W.	T.	F.	S.
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AUGUST

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SEPTEMBER

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OCTOBER

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DECEMBER

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JANUARY

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MAY

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JUNE

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JULY

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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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WESTERN RESERVE UNIVERSITY

GENERAL STATEMENT

WESTERN RESERVE UNIVERSITY embraces seven departments*—

Adelbert College—formerly Western Reserve College—founded at Hudson in 1826, and removed to Cleveland in 1882.

The College for Women, established in 1888.

The Department of Graduate Instruction, established in 1892 by the Faculties of Adelbert College and the College for Women; designed to offer to college graduates courses leading to the degree of A. M. and Ph. D.

The Medical College—formerly known as the Cleveland Medical College—founded in 1844, offering a course of four years in medicine.

The Franklin T. Backus Law School, opened in 1892; designed by means of a course of study covering three years, to give an adequate training for the practice of the law.

The Dental Department, opened in 1892; designed to teach the art of dentistry as a department of medicine.

The Library School, opened in 1904, with a course of two years in library methods and administration.

Popular and educational lectures are included in the plans of the University.

CHARLES F. THWING, *President.*

*For Articles of Incorporation, see Appendix II.

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*CHARLES L. PACK, CLEVELAND.
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LOUIS H. SEVERANCE, NEW YORK CITY.
HENRY R. HATCH, CLEVELAND.
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LEWIS H. JONES, A. M., YPSILANTI, MICH.
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†WILLIAM G. MATHER, A. B., CLEVELAND.
*ANDREW SQUIRE, LL. D., CLEVELAND.
†DAVID Z. NORTON, CLEVELAND.
*CHARLES W. BINGHAM, A. B., CLEVELAND.
*CHARLES F. BRUSH, PH. D. LL. D., CLEVELAND.
*HORACE E. ANDREWS, A. B., CLEVELAND.
*GEORGE A. GARRETSON, CLEVELAND.
†WILLIAM E. CUSHING, A. B., LL. B., CLEVELAND.

H. A. HARING, A. B., *Secretary and Treasurer.*
OFFICE IN ADELBERT COLLEGE BUILDING.

*** Trustees of the University only. † Trustees of Adelbert College only. All others are Trustees of both corporations.**

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EXECUTIVE COMMITTEE OF THE UNIVERSITY

SAMUEL MATHER, LOUIS H. SEVERANCE, J. HOMER WADE,
WASHINGTON S. TYLER, JOHN H. MCBRIDE.

THE UNIVERSITY SENATE

THE EXECUTIVE COMMITTEE.

THE PRESIDENT OF THE UNIVERSITY.

THE DEANS OF THE SEVERAL DEPARTMENTS.

PROFESSORS M. M. CURTIS and S. B. PLATNER, for Adelbert College.

PROFESSORS H. E. BOURNE and H. N. FOWLER, for College for Women.

PROFESSORS J. H. LOWMAN and D. P. ALLEN, for Medical College.

PROFESSORS H. H. JOHNSON and H. C. WHITE, for Law School.

COMMITTEES OF THE TRUSTEES OF ADELBERT COLLEGE

PRUDENTIAL COMMITTEE:
SAMUEL MATHER, EDWIN R. PERKINS, HENRY R. HATCH,
J. HOMER WADE, WASHINGTON S. TYLER.

ON INSTRUCTION:
HIRAM C. HAYDN, EDWIN R. PERKINS, SAMUEL MATHER.

ON BUILDINGS AND GROUNDS:
LIBERTY E. HOLDEN, HENRY R. HATCH, ALFRED A. POPE.

ON THE BUDGET:
SAMUEL MATHER, WASHINGTON S. TYLER, DAVID Z. NORTON,
WILLIAM H. BALDWIN, HENRY R. HATCH.

ON WESTERN RESERVE ACADEMY:
HERBERT A. HITCHCOCK, CHARLES M. RUSSELL,
WILLIAM H. BALDWIN.

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FACULTY AND INSTRUCTORS

Arranged alphabetically within each division.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.

President.

A. B., Harvard Coll., 1876; B. D., Andover Theological Seminary, 1879; D. D., Chicago Theological Seminary, 1888; LL. D., Illinois Coll. and Marietta Coll., 1894; Washington and Jefferson, 1902; President Adelbert College and Western Reserve University, 1890—

HIRAM COLLINS HAYDN, D. D., LL. D., 173 Bellflower Av.

Vice President and Harkness Professor of Biblical Literature.

A. B., Amherst Coll., 1856; D. D., Wooster Univ., 1878; LL. D., Amherst Coll. and Marietta Coll., 1888; President Adelbert College and Western Reserve University, 1887-90; Instructor in Biblical Literature, College for Women, 1888-96; Professor of Biblical Literature, 1896—

HERBERT AUSTIN AIKINS, PH. D., (Absent for the year.)

Leffingwell Professor of Philosophy.

A. B., Univ. of Toronto, 1887; Instructor, Univ. of Southern California, 1888; Yale Univ., 1888-91; Lecturer on History of Philosophy, Yale Univ., 1890-91; Ph. D., Yale, 1891; Professor of Logic and Philosophy Trinity Coll., N. C., 1891-93; Honorary Fellow, Clark Univ., 1892-93; Professor of Philosophy, College for Women, 1893—

DUDLEY PETER ALLEN, A. M., M. D., 260 Euclid Av.

Professor of the Theory and Practice of Surgery and Clinical Surgery

A. B., Oberlin Coll., 1875; A. M., 1883; M. D., Harvard Univ., 1880; Freiburg, Berlin, Vienna, London, Leipsic, 1880-82; Lecturer and Professor of Surgery, Western Reserve University, 1893—

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Ave.

Professor of Operative Dentistry, History of Dentistry, and Oral Hygiene.

Dean of the Dental College.

B. S., Hillsdale Coll., 1864; M. S., 1867; D. D. S., Ohio Coll. of Dental Surgery, 1867; M. D., Cleveland Univ. of Medicine and Surgery; 1868; Professor of Dental Science in the same institution, 1868-70; Lecturer in Dental Hygiene, Dental College of Western Reserve University, 1892; Professor of Operative Dentistry and Hygiene, 1893—

GEORGE C. ASHMUN, M. D., 794 Republic St.

Professor of Hygiene and Preventive Medicine.

Registrar and Bursar of the Medical College.

M. D., Cleveland Medical Coll., 1873; Professor of Diseases of Children, Wooster Univ., 1889-93; Professor of Hygiene, Western Reserve University, 1893—

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BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Professor of Romance Languages.

A. B., Univ. of Michigan, 1889; A. M., 1890; Instructor in French, 1892-95; Student Paris and Vienna, Rome, Florence, Madrid, 1895-98; Ph. D., Univ. of Vienna, 1897; Instructor in French, Univ. of Michigan, 1898-99; Assistant Professor, 1899-1901; Associate Professor of Romance Languages, Adelbert College, 1901-1903; Professor of Romance Languages, 1903—

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

A. B., Yale Coll., 1883; B. D., Yale Divinity School, 1887; Hooker Fellow, Yale Divinity School, 1887-88; Teacher of History and Psychology, Free Acad., Norwich, Conn., 1889-92; Professor of History and Instructor in Philosophy, College for Women, 1892-93; Professor of History, 1893—

WILLIAM HOWARD BRETT, A. M., 205 Wood St.
Lecturer on Library Architecture, History, and Administration.
Dean of Library School.

Adelbert Coll., 1870-71; Univ. of Michigan Medical Coll., 1868-69; Librarian Cleveland Public Library, 1884—; Dean of the Library School Western Reserve University, 1903—

FRANK E. BUNTS, M. D., 275 Prospect St.
Professor of the Principles of Surgery and Clinical Surgery.

United States Naval Acad., 1881; M. D., The Medical Coll., Western Reserve Univ., 1886; Lecturer on Minor Surgery, Medical Department of Wooster Univ., 1887-88; Berlin, Vienna, Paris, 1888-89; Professor of Principles of Surgery, Wooster Univ., 1890-94; Professor of the Principles of Surgery and Clinical Surgery in Medical College, Western Reserve University, 1894—

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.
Professor of the Law of Pleading and Practice.

A. B., Ohio Wesleyan Univ., 1873; A. M., 1876; LL. B., Univ. of Michigan, 1876; Professor of Law of Contracts, Western Reserve University, 1896-1902; Professor of the Law of Pleading and Practice, 1902—

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.
Professor of the Law of Bills and Notes and Evidence.

A. B., Oberlin, 1885; LL. B., Harvard Univ., 1890; Professor of the Law of Agency, Western Reserve University, 1897-04; Professor of the Law of Bills and Notes and Evidence, 1904—

WILLIAM T. CORLETT, M. D., L. R. C. P. (London), 553 Euclid Av.
Professor of Dermatology and Syphilology.

M. D., Wooster Univ., 1877; L. R. C. P., London, 1882; Professor of Dermatology and Syphilology, Western Reserve University, 1893—

GEORGE W. CRILE, PH. D., M. D., 169 Kensington Av.
Professor of Clinical Surgery.

A. B., Ohio Normal Univ., 1882; A. B., Wooster Univ., 1887; M. D., 1887; Student in New York, Vienna and London, 1887-95; Professor of Physiology and Surgery, Wooster Medical Coll., 1897-1900; Ph. D., Hiram Coll., 1899; Professor of Clinical Surgery, Western Reserve University, 1900—

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MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.

Handy Professor of Philosophy.

A. B., Hamilton Coll., 1880; B. D., Union Theological Seminary, 1883; A. M., Hamilton Coll., 1883; Pastor at Hastings-on-Hudson and at Cleveland, 1883-88; Univ. of Leipsic, 1888-91; Ph. D., 1890; Professor of Philosophy, Adelbert Coll., 1891—

FRANK M. CASTO, Ph. G., M. D., D. D. S., 719 Schofield Bldg.

Professor of Orthodontia.

D. D. S., Ohio Medical Univ., 1894; M. D., 1900; Ph. G., 1904; Angle School of Orthodontia, 1902; Assistant Professor of Operatic Dentistry, Ohio Medical Univ., 1900-01; Professor of Orthodontia, 1901-05; Professor of Orthodontia, Western Reserve University, 1904—

HENRY PLATT CUSHING, M. S., 260 Sibley St.

Professor of Geology.

Ph. B., Cornell Univ., 1882; Cornell Univ., 1882-83; School of Mines, Columbia Coll., 1883-84; Cornell Univ., 1884-85; M. S., 1885; Instructor in Geology, Chemistry and Physics, State Normal School, Mankato, Minn., 1885-91; Univ. of Munich, 1891-92; Instructor in Geology and Chemistry, Adelbert College, 1892-93; Associate Professor of Geology, 1893-95; Professor of Geology, 1895—

EDWARD FITCH CUSHING, PH. B., M. D., 1160 Euclid Av.

Professor of the Diseases of Children.

Ph. B., Cornell Univ., 1883; M. D., Harvard Univ., 1888; Professor of the Diseases of Children, Western Reserve University, 1894—

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.

Professor of Therapeutics.

A. B., Williams Coll., 1858; A. M., 1861; M. D., Western Reserve Univ., 1861; Professor of Materia Medica and Therapeutics, Western Reserve University, 1867—

ROBERT WALLER DEERING, PH. D., The Euclid, 2662 Euclid Av.

Professor of Germanic Languages and Literatures.

Dean of the Graduate School.

Centre Coll., 1879-80; Vanderbilt Univ., 1880-85; A. B., 1884; A. M., 1885; Instructor in German, Vanderbilt Univ., 1885-86; Univ. of Leipsic, 1886-89; Ph. D., 1889; Adjunct Professor of Germanic Languages and Literatures, Vanderbilt Univ., 1889-92; Professor of Germanic Languages and Literatures, College for Women, 1892—

OLIVER FARRAR EMERSON, PH. D., 98 Wadena St., East Cleveland.

Oviatt Professor of Rhetoric and English Philology.

A. B., Iowa Coll., 1882; A. M., 1885; Superintendent of Schools, Grinnell, Ia., 1882-84; Muscatine, Ia., 1884-85; Principal of the Academy of Iowa Coll., 1885-88; Goodwin Smith Fellow in English, Cornell Univ., 1888-89; Instructor in English, Cornell Univ., 1889-91; Ph. D., 1891; Assistant Professor of Rhetoric and English Philology, 1892-96; Professor of Rhetoric and English Philology, Adelbert College, 1896—

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HAROLD NORTH FOWLER, PH. D., 33 Cornell St.

Clark Professor of Greek.

A. B., Harvard Coll., 1880; Classical Master in Marston's University School, Baltimore, 1880-82; Johns Hopkins Univ., 1880-81; American School of Classical Studies at Athens, 1882-83; Univ. of Berlin, 1883-84; Univ. of Bonn., 1884-85; Ph. D., 1885; Instructor in Greek, Latin, and Archæology, Harvard Coll., 1885-88; Instructor in Latin, Phillips Exeter Acad., 1888-90; Professor of Latin, Phillips Exeter Acad., 1890-92; Professor of Greek, Univ. of Texas, 1892-93; Professor of Greek, College for Women, 1893—

ALEXANDER HADDEN, A. B., 1670 Lexington Av.

Professor of the Law of Crimes, Criminal Procedure, and Damages.

A. B., Oberlin Coll., 1873; Professor of the Law of Crimes and Damages, Western Reserve University, 1894—

CARL A. HAMANN, M. D., 661 Prospect St.

Henry Wilson Payne Professor of Anatomy.

M. D., Univ. of Pennsylvania, 1890; Demonstrator of Anatomy, Univ. of Pennsylvania, 1890-93; Professor of Anatomy, Western Reserve University, 1893—

CHARLES HARRIS, PH. D., 77 Cutler St.

Professor of German.

A. B., Indiana Univ., 1879; Ph. D., Univ. of Leipsic, 1883; Instructor in German, Academic Department of Vincennes Univ., 1883-86; Professor of French and German, Southern Illinois State Normal School, 1886-88; Professor of German, Oberlin Coll., 1888-93; Professor of German, Adelbert College, 1893—

FRANCIS HOBART HERRICK, PH. D., D. SC., 43 Cutler St.

Professor of Biology and Curator of the Zoological Collection.

A. B., Dartmouth Coll., 1881; Ph. D., Johns Hopkins Univ., 1888; D. Sc., Western Univ. of Pennsylvania, 1897; Instructor in Biology, Adelbert Coll., 1888-91; Professor of Biology, 1891—

FRANCIS RUFUS HERRICK, A. B., 449 Russell Av.

Professor of the Law of Torts.

A. B., Yale Univ., 1888; Professor of Law of Torts, Western Reserve University, 1897—

CHARLES F. HOOVER, A. B., M. D., 702 Rose Building.

Professor of Physical Diagnosis.

A. B., Harvard Univ., 1890; M. D., 1892; Professor of Physical Diagnosis, Western Reserve University, 1895—

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.

Professor of the Law of Contracts, Trusts and Equity Jurisdiction, Dean of the Law School.

A. B., Adelbert Coll., 1889; LL. B., Harvard Univ., 1892; Professor of Law of Contracts and Equity Jurisdiction and Dean of Law School, Western Reserve University, 1892—

WILLIAM T. HOWARD, JR., M. D., 88 Dorchester Av.

Professor of Pathology, Pathological Anatomy and Bacteriology.

Univ. of Virginia, 1885-87; M. D., Univ. of Maryland, 1889; Johns Hopkins Univ., 1889-94; Professor of Pathology and Bacteriology, Western Reserve University, 1894—

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PAUL HOWLAND, A. M., LL. B., 1174 Willson Av.

Professor of the Law of Pleading and Partnership.

A. B., Oberlin Coll., 1884; A. M., 1894; LL. B., Harvard Univ., 1890; Professor of Law of Pleading and Practice, and Partnership, Western Reserve University, 1896—

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.

Professor of English.

A. B., Vanderbilt Univ., 1890; Assistant in Greek, 1889-90; Teacher of English and Mathematics in the Nashville University School, 1890-91; Univ. of Leipsic, 1891-92; Univ. of Jena, 1892-93; Univ. of Freiburg, 1893-94; Ph. D., 1894; Instructor in German, Adelbert College, 1894-96; Associate Professor of English, College for Women, 1896-1900; Professor of English, 1900—

HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.

Professor of the Law of Corporations.

A. B., Oberlin Coll., 1885; A. M., 1888; LL. B., Harvard Univ., 1888; Professor of the Law of Trusts and Constitutional Law, Western Reserve University, 1893-1904; Professor of the Law of Corporations, 1904—

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.

Professor of Operative Technique and Dental Anatomy.

D. D. S., Western Reserve University, 1898; Demonstrator of Prosthetic Dentistry, 1898-1901; Instructor of Prosthetic and Operative Technique, and Lecturer on Dental Anatomy, 1901-1903; Professor of Operative Technique and Dental Anatomy, 1903—

JAMES LAWRENCE, A. B., 709 Genesee Av.

Professor of Constitutional Law.

A. B., Kenyon Coll., 1871; Professor of the Law of Public and Private Corporations, Western Reserve University, 1896-1904; Professor of Constitutional Law, 1904—

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.

Professor of Medicine and Clinical Medicine.

A. B., Connecticut Wesleyan Univ., 1871; A. M., 1874; M. D., Wooster Medical Coll., 1873; M. D., Coll. of Physicians and Surgeons, New York, 1876; Professor of Medicine, Western Reserve University, 1881—

JOHN JAMES R. MACLEOD, M. B. (Aberd.), D. P. H. (Camb.),

Professor of Physiology. 288 Van Ness Av.

M. B., Ch. B., Aberdeen Univ., 1898; Anderson Fellow, Aberdeen Univ., 1898-1900; Demonstrator in Physiology, London Hospital, 1900-1903; Mackinnon Research Student, Royal Society, 1902-1903; D. P. H., Univ. of Cambridge, 1902; Lecturer in Bio-Chemistry, London Hospital, 1902; Professor of Physiology, Western Reserve University, 1903—

BENJAMIN L. MILLIKIN, A. M., M. D., 260 Euclid Av.

Professor of Ophthalmology,

Dean and Executive Officer of the Medical College.

A. B., Allegheny Coll., 1874; A. M., 1877; M. D., Univ. of Pennsylvania, 1879; Ophthalmic Surgeon Charity Hospital, 1884; Lakeside Hospital, 1893; Professor of Ophthalmology, Western Reserve Univ., 1894—; Dean of Medical College, Western Reserve University, 1900—

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EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., The Everlyne, 63 Ingleside Av.

Hurlbut Professor of Natural History and Chemistry.

A. B., Williams Coll., 1860; A. M., 1863; M. D., Cleveland Medical Coll., 1877; Ph. D., Wooster Univ., 1879; LL. D., Western Reserve Univ., 1891; Williams Coll., 1901; Professor of Chemistry, Western Reserve College and Adelbert College, 1869—

ANNA HELENE PALMIÉ, PH. B., 48 Mayfield St.

Professor of Mathematics.

Ph. B., Cornell Univ., 1890; Fellow in Mathematics, 1890-91; Instructor in Mathematics and German, College for the Training of Teachers, New York City, 1891-92; Instructor in Mathematics, College for Women, 1892-93; Associate Professor of Mathematics, 1893-95; Professor of Mathematics, 1895—

*CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.

Professor of the Law of Real Property.

Professor of the Law of Real Property, Western Reserve University, 1892—

EMMA MAUD PERKINS, A. B., 121 Adelbert St.

Woods Professor of Latin.

A. B., Vassar Coll., 1879; Instructor in Classics, Central High School, Cleveland, 1879-92; Associate Professor of Latin, College for Women, 1892-93; Professor of Latin, 1893—

ROGER GRISWOLD PERKINS, A. B., M. D., Medical College.

Professor of Bacteriology.

A. B., Union Coll., 1893; A. B., Harvard Univ., 1894; M. D., Johns Hopkins Univ., 1898; Resident Pathologist, Lakeside Hospital, 1899-1901; Demonstrator of Pathology, Western Reserve Univ., 1890-1901; Fellow in Research of the Rockefeller Institute, 1901-2; Lecturer in Bacteriology, 1901; Professor of Bacteriology, The Dental College, 1903—

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.

Professor of Latin and Instructor in Sanskrit.

Secretary of the Faculty of Adelbert College.

A. B., Yale Coll., 1883; Ph. D., 1885; Instructor in Latin and French, Adelbert Coll., 1885-90; Assistant Professor of Latin, Adelbert Coll., 1890-92; Professor of Latin, Adelbert College, 1892—

LEMUEL STOUGHTON POTWIN, A. M., D. D., 389 Rosedale Av.

Professor of the English Language and Literature.

A. B., Yale Coll., 1854; A. M., 1857; Tutor in Yale, 1858-60; D. D., 1886; Professor of Latin, Western Reserve College and Adelbert College, 1871-92; Professor of the English Language and Literature, 1892—

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.

Professor of Obstetrics and Pediatrics.

M. D., Virginia Medical Coll., 1867; A. M., Western Reserve Univ., 1894; Professor of Obstetrics and Pediatrics, Western Reserve University, 1875—; Dean of Medical College, 1895-1900.

* Deceased.

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HUNTER ROBB, A. B., M. D., 702 Rose Building.

Professor of Gynecology.

A. B., Univ. of Pennsylvania, 1880; M. D., 1884; House Staff, Presbyterian Hospital, Philadelphia, 1885; Episcopal Hospital, 1886; Assistant Surgeon, Kensington Hospital, 1887; Vienna, Berlin, Prague, Leipsic, Paris, London, 1888-89; Associate Professor of Gynecology, Johns Hopkins Univ., 1889-94; Professor of Gynecology, Western Reserve University, 1894—

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Professor of Medicine and Clinical Medicine.

A. B., Adelbert Coll., 1883; A. M., M. D., Western Reserve Univ., 1886; Professor of Medicine and Clinical Medicine, Western Reserve University, 1889—

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.

Professor of Mathematics.

A. B., Western Reserve Coll., 1870; A. M., 1873; Professor of Mathematics and Perkins Professor of Natural Philosophy and Astronomy, Western Reserve Coll., 1870-82; Professor of Mathematics, Adelbert College, 1882—

ARTHUR ADELBERT STEARNS, A. M., 87 Oakdale St.

Professor of the Law of Suretyship and Mortgage.

A. B., Buchtel Coll., 1879; A. M., 1883; Professor of Law of Suretyship and Mortgage, Western Reserve University, 1894—

TORALD SOLLMANN, M. D., 102 Handy St.

Professor of Pharmacology and Materia Medica.

M. D., Western Reserve Univ., 1896; Lecturer on Pharmacology, Western Reserve University, 1898-1901; Assistant Professor of Pharmacology and Materia Medica, 1901-03; Associate Professor, 1903—

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Professor of Neurology.

A. B., Western Reserve Coll., 1880; M. D., Coll. of Physicians and Surgeons, New York, 1884; Staff of Roosevelt Hospital, New York, 1885-86; Berlin and Heidelberg, 1886-87; Professor of Neurology, Western Reserve University, 1893—

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.

Professor of Materia Medica and Therapeutics.

Adelbert Coll., 1885-87; D. D. S., New York Coll. of Dentistry, 1890; Lecturer on Materia Medica and Dental Therapeutics, Western Reserve University, 1892-96; Professor of Dental Medicine, 1896—

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Professor of the Law of Wills and Estates.

B. L., Univ. of Michigan, 1862; A. M., Hiram Coll., 1891; Probate Judge of Cuyahoga Co., 1888—; Professor of Medical Jurisprudence, Cleveland Homeopathic Medical Coll., 1891; Professor of Testamentary Law and Probate Procedure, Western Reserve University, 1892—

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Perkins Professor of Physics and Astronomy.

Dean of Adelbert College.

A. B., Brown Univ., 1874; A. M., 1877; D. Sc., 1900; Massachusetts Inst. of Technology, 1879; Johns Hopkins Univ., 1879-80; Professor of Physics, Rensselaer Polytechnic Inst., 1880-85; Professor of Physics, Adelbert College, 1885—

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D. D. S., Western Reserve University Dental College, 1899; Demonstrator of Operative Dentistry, 1900-1903; Professor of Clinical Prosthetic Dentistry, 1903—

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D. D. S., Western Reserve Univ., 1895; M. D., 1896; Assistant Professor of Dental Pathology, Western Reserve University, 1904—

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A. B., Adelbert Coll., 1894; A. M., 1895; A. M., Harvard Univ., 1896; Ph. D., 1898; Instructor in Latin, Adelbert College, 1898-1904; Associate Professor of Greek, 1904—

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M. D., Long Island College Hospital, 1879; Associate Professor of Gynecology, Medical Department of Western Reserve University, 1895—

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Graduate of the Royal Normal School, Bruges (Belgium), 1889; Univ. of Brussels, 1889-91; Fellow and Assistant in Romance Languages, Vanderbilt Univ., 1900-01; A. M., 1901; Assistant in German, Univ. of Wisconsin, 1901-02; Fellow in Romance Languages and Instructor in Spanish, Univ. of Chicago, 1902-03; Assistant in Romance Languages, Summer Session, 1903; Instructor in Romance Languages, College for Women, 1903—

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MARY GEORGE CLARK, Guilford House.

Instructor in Physical Training.

Sargent Normal School of Gymnastics, 1900; Instructor in Histology, Sargent Normal School, 1900-1901; Instructor in Histology, Hemenway Gymnasium, Harvard Univ., summer 1901; Instructor in Physical Training, College for Women, 1901—

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Instructor in the History and Theory of Music.

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Instructor in Classification and Cataloguing.

B. L., Iowa State Coll. (Ames.), 1887; Cataloguer, Iowa State Coll. Library, 1888-91; Student, New York State Library School, 1889-90, 1895-96; Cataloguer Sioux City (Ia.) Library, 1892-93; Librarian, 1893-95; Head Cataloguer and Assistant in Training Class, Dayton (O.) Public Library, 1896-1901; Assistant Librarian Adelbert Coll. Library, 1901-1903; Instructor in Library Science, Cleveland City Normal School, 1903; School Reference Librarian and Instructor of Training Class, 1903-1904; Chief Instructor in Summer Schools for Librarians, Cleveland Public Library, 1898-1900; Iowa State Univ., 1901-1904; Instructor in Cataloguing and Classification, Library School, Western Reserve University, 1904—

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Head Instructor and Librarian of Library School.

Instructor in Criticism and Selection of Books, Library Organization, History and Administration.

Assistant, Dayton Public Library, 1880-81; Cataloguer and Reference Librarian, 1882-90; Assistant Librarian, 1892-95; Librarian, 1897-1904; Head Instructor and Librarian, Library School of Western Reserve University, 1904—

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Instructor in Library Extension and Supervision, History, Reports and Statistics.

Assistant Cleveland Public Library, 1892-95; Assistant Librarian and Cataloguer, Dayton (O.) Public Library, 1895-96; Vice-Librarian, Cleveland Public Library, 1896—; Lecturer and Instructor, The Library School, Western Reserve University, 1904—

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Secretary and Reviser of the Library School.

Graduate Pratt Institute Library School, 1892; Pratt Institute Free Library, 1902-1903; Marietta Coll. Library, 1903-1904; Secretary and Reviser, Library School, Western Reserve University, 1904—

CLAYTON KING FAUVER, Ph. B., LL. B., 727 Case Av.

Instructor of the Law of Torts, Sales and Real Property.

Ph. B., Oberlin Coll., 1897; Western Reserve University, 1897-1900; LL. B., 1900; Lecturer and Instructor, Western Reserve University, 1901—

JAMES ALBERT FORD, A. B., LL. B., 126 Ingleside Av.

Instructor of the Law of Personal Property and Pleading.

A. B., Adelbert Coll., 1891; A. M., Harvard Univ., 1892; LL. B., Harvard Univ., 1894; Instructor in the Law of Personal Property and Pleading, Western Reserve University, 1903—

CARL BYRON JAMES, B. S., South Euclid, O.

Instructor in Biology.

B. S., Baldwin Univ., 1894; Johns Hopkins Univ., 1894-95; German Wallace Coll., 1895-96; Assistant in Biological Laboratory, Adelbert Coll., 1896-1902; Instructor in Biology, College for Women, 1902—

MARGARET MANN, Carnegie Library, Pittsburgh, Pa.

Instructor in Public Documents.

Graduate Armour Institute Library School, 1895; Assistant Librarian and Instructor in Library Economy, 1895-1903; Chief Cataloguer in Carnegie Library, Pittsburg, 1903—; Instructor in Public Documents, Library School, Western Reserve University, 1904—

JOHN MILLS, A. B., 18 Adelbert Hall.

Instructor in Physics.

A. B., Univ. of Chicago, 1901; Fellow in Physics, Univ. of Chicago, 1901-1902; Fellow in Physics, Univ. of Nebraska, 1902-1903; Instructor in Physics, Univ. of Cincinnati, 1903; Instructor in Physics, Adelbert College, 1903—

CLARA LOUISE MYERS, PH. B., 116 Ridgewood Av.

Instructor in English.

B. S., Ohio Normal Univ., 1887; Assistant in High School, Fenton, Mich., 1887-90; Principal of High School, New Philadelphia, O., 1890-91; Instructor in Ohio Normal Univ., 1891-94; Cornell Univ., 1894-96; Ph. B., 1896; Instructor in Ohio Normal Univ., 1896-97; Principal of High School, New Philadelphia, O., 1898-99; Univ. of Chicago, 1899-1900; Assistant in English Literature, Cornell Univ., 1900-1901; Univ. of Chicago, 1901-02; Instructor in English, College for Women, 1903—

EUPHEMIA LOUISE POWER, 50 Landon St.

Instructor in Work with Children.

Assistant Cleveland Public Library, 1895-98; Cleveland Summer School, 1898; Children's Librarian, 1898-1902; Student and Instructor, Training School for Children's Librarians, Carnegie Library, Pittsburg, 1902-1903; Supervisor Children's Work, Cleveland Public Library, 1903; Instructor in Library Science and Juvenile Literature, Cleveland City Normal School, 1903-1904; Instructor in Children's Work, Library School, Western Reserve University, 1904—

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Instructor in History.

B. L., Univ., of Wisconsin, 1899; M. L., Univ. of Wisconsin, 1900; Graduate Scholar in American History, Univ. of Wisconsin, 1900-1901; Bulkley Fellow in American History, Yale Univ., 1901-1903; Ph. D., Yale Univ., 1903; Instructor in History, College for Women, 1903—

EDWARD VON DEN STEINEN, 47 Arlington St.

Instructor in Physical Culture and Director of the Gymnasium.

Springfield (Mass.) Training School, 1900; Physical Director, Northampton Y. M. C. A., 1899-1900; Cumberland (Md.) Y. M. C. A., 1900-01; Instructor in Physical Training and Director of Gymnasium, Univ. of North Carolina, 1901-1903; Assistant Instructor in Heavy Gymnastics, Harvard Summer School of Physical Training, 1903; Instructor in Physical Training and Director of Gymnasium, Adelbert College, 1903—

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Instructor in Order and Accession Records, Duplicates and Gifts, Serials, Loan Systems.

B. L., Lake Erie Coll., 1899: Assistant Cleveland Public Library, 1900-1901; Albany Library School, 1901-1903; B. L. S., 1903; Instructor in Library Science, Simmons Coll., 1903-1904; Instructor, Library School, Western Reserve University, 1904—

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Instructor of the Law of Contracts, Carriers, and Suretyship and Mortgage.

Student, Western Reserve Univ. Law School, 1899-1900; Harvard Univ. Law School, 1900-1902; LL. B., 1902; Lecturer on Contracts and Carriers, Western Reserve University, 1902—

EDWARD CHRISTOPHER WILLIAMS, B. L., 1668 Lamont St.

Instructor in Trade and National Bibliography, Order Department, Reference Work.

B. L., Adelbert Coll., 1892; Librarian Adelbert Coll., 1894—; Student, Albany Library School, 1899-1900; Instructor in Bibliography and Reference Work, Library School, Western Reserve University, 1904—

GRACE ELSTNER WOODARD, B. PD., Ann Arbor, Mich.

Instructor in Bookbinding.

B. Pd., Graduate Michigan Normal Coll., 1892; Assistant Michigan Normal Coll., 1892-1900; Assistant in Law Library, Univ. of Michigan, 1900; Instructor in Bookbinding, Library School, Western Reserve University, 1904—

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A. B., Adelbert Coll., 1901; Univ. of Erlangen, 1901-02; Univ. of Leipsic, 1902-04; Ph. D., 1904; Instructor in German, College for Women, 1904—

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Lecturer on Fractures and Dislocations.

Adelbert Coll., 1891-93; Western Reserve Medical Coll., 1891-94; M. D., 1894; Demonstrator of Surgical Appliances, 1898-1903; Lecturer on Fractures and Dislocations, Western Reserve Medical College, 1903—

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Lecturer on Work with Children.

Graduate of Pratt Institute Library School, 1894; Chief Cataloguer Library of Union for Christian Work, Brooklyn, 1894-96; Librarian and Organizer, Walford Insurance Library, New York, 1896; Tome Institute Library, 1896-1901; Instructor Training School for Children's Librarians, Carnegie Library, Pittsburgh, 1896-1904; Instructor in Children's work, Western Reserve University, 1904.

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A. B., Hiram Coll., 1888; A. M., LL. B., Univ. of Michigan, 1891; Professor of Law of Torts, Western Reserve University, 1894-1899; Lecturer on Dental Jurisprudence, 1899—

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A. B., Yale Univ., 1895; Johns Hopkins Univ., 1896-99; M. D., 1899; Assistant Resident Physician, Johns Hopkins Univ. Hospital, 1899-1900; Resident Physician, Lakeside Hospital, 1900-01; Lecturer in Clinical Microscopy, Western Reserve University, 1901—

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M. D., Cleveland College of Physicians and Surgeons, 1891; Lecturer on Genito-urinary Surgery, 1898-99; London, Berlin, Paris, 1901; Demonstrator of Surgery, Western Reserve University, 1901-04; Lecturer on Genito-urinary Diseases, 1904.

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Librarian of Case Library, 1888—; Lecturer in the Library School, Western Reserve University, 1904—

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A. B., Oberlin Coll., 1884; A. M. Oberlin Coll., 1887; Student Boston Univ. Law School 1884-85; Cataloguer, Oberlin Coll., Library 1885-86; Student, Harvard Univ. Law School, 1886-87; Librarian, Oberlin Coll., 1887—; Student, Univ. of Göttingen, 1898-99; Professor of Bibliography, Oberlin College, 1890—

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Assistant in Economics.

HOWARD D. HASKINS, M. D., 41 Bolton Place.
H. M. Hanna Research Fellow.

LECTURERS IN YEAR 1903-1904.

ALBERT BUSHNELL HART, Ph. D., LL. D., Cambridge, Mass.
Lecturer on the Panama Question.

SAMUEL BALL PLATNER, PH. D., Cleveland.
Lecturer on Recent Excavations in the Roman Forum.

CLARENCE POWERS BILL, PH. D., Cleveland.
Lecturer on An Ancient of Asia Minor.

OTHER OFFICERS

HARRY A. HARING, A. B., 78 Cornell St.
Treasurer.

EDWARD CHRISTOPHER WILLIAMS, B. L., 1668 Lamont St.
Librarian.

CHARLES CLARENCE WILLIAMSON, A. B., 10 Adelbert Hall.
Secretary to the President.

EDITH LEONA EASTMAN, 160 Avondale Av., Glenville.
Assistant in the Library.

ANNA LOUISE MACINTYRE, A. B., 136 Sawtell Av.
Librarian, College for Women.

FRANCIS L. TROWBRIDGE, 84 Miles Av.
Librarian of the Law School.

BERTHA LOUISE TORREY, A. B., 4132 Euclid Av., East Cleveland.
Registrar, College for Women.

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THOS. J. TAYLOR, M. D., 2153 Superior St.
Clerk of Medical College.

GEORGE W. MOOREHOUSE, M. L., M. D., 842 Logan Av.
Secretary of Tubercular Dispensary.

HENRY L. SANFORD, M. D., 207 Osborn Building.
Physician in Charge Tubercular Dispensary.

JUNIUS H. MCHENRY, M. D., 207 Osborn Building.
Physician in Charge Tubercular Dispensary.

CHARLES J. WEHR, M. D., 2230 Euclid Av.
Visiting Physician Tubercular Dispensary.

ELIZABETH UPJOHN, Kingmoore Building.
Directing Visiting Nurse Tubercular Dispensary.

H. MILTON BROWN, D. D. S., 262 Prospect St.
Superintendent of Clinics.

ELIZABETH CURRIER ANNIN, *Housemistress,* Guilford House.

ISADORE HEYDENBURK, *Housemistress,* Haydn Hall.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Ave.
Medical Examiner, College for Women.

HARRY TRACY DUNCAN, A. B., LL. B., 78 Fifth Av.
Presiding Officer of Moot Court.

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ADELBERT COLLEGE

HISTORICAL STATEMENT

IN 1801 THE GENERAL ASSEMBLY of the Territory of the United States northwest of the river Ohio was petitioned by residents of the Connecticut Western Reserve to grant a charter for a college to be situated within the limits of the Reserve. The petition was denied. In 1803, on the sixteenth of April, the first General Assembly of the State of Ohio chartered the Erie Literary Society, a corporation composed of several proprietors of land within the county of Trumbull (then comprising the entire Reserve), who desired to appropriate a part thereof to found a seminary of learning within that county. Under this charter an Academy was established at Burton in 1805, the first institution of this kind in Northern Ohio. This school, with the exception of the years 1810 to 1819, continued in operation until 1834. In 1817 the Presbytery of Grand River, which embraced nearly all the Presbyterian and Congregational ministers and churches of the Reserve, formed itself into a society "for the education of indigent, pious young men for the ministry, within the limits of the Presbytery." The students aided by this society studied privately with clergymen until the opening of the Academy at Burton, when they pursued their studies at that school. In 1818 the Presbytery of Portage formed a similar society. In 1822 the two Presbyteries appointed a committee to confer together for the purpose of devising "ways and means for

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establishing on the Connecticut Western Reserve a Literary and Theological Institution." The report of the committee, which was adopted by the Presbyteries, provided for the establishment, under certain conditions, of a Theological Institution on the foundation of the Erie Literary Society at Burton. The Trustees of the Erie Literary Society accepted the conditions. A Board of Managers of the Education Fund was then appointed by the Presbyteries.

The connection between the Board of Managers and the Trustees of the Erie Literary Society lasted until June, 1824. During the year 1823 the managers became convinced that such an institution as they desired could not be built up at Burton, and consequently they requested the Trustees of the Erie Literary Society to move their establishment to a more eligible situation. As the Trustees held property on condition that the school should be in Burton, they declined this proposition. In June, 1824, at a joint session of the Board of Managers with special commissioners of the Presbyteries, it was decided to discontinue the connection with the Erie Literary Society and to found a separate institution. In January a special Board of Commissioners, representing the Presbyteries, to which the Presbytery of Huron was now added, selected Hudson as the site of the college. The Board of Managers, with four additional members representing the Huron Presbytery, now became the Board of Trustees, and held their first meeting at Hudson, February 15, 1825. They drafted a charter and drew up plans for the grounds. The charter was granted February 7, 1826, and on April 26 the corner stone of the first building was laid. The first students were received in December, 1826, and were instructed at Talmadge by Mr. Coe, the principal of the Academy at that place, who was appointed tutor *pro tempore*. In 1827 the new building at Hudson was occupied and the preparatory department established. A Theological

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department was opened in 1830 and maintained until 1852.*

In 1878 the question of removing the College from Hudson to Cleveland was raised, and a committee of the Trustees was appointed to take the matter under consideration. In March, 1880, through a member of the Board of Trust, Mr. Amasa Stone, of Cleveland, proposed to give the College five hundred thousand dollars, provided it should be removed to Cleveland, occupy some suitable site to be donated by the citizens, and change its name to "Adelbert College of Western Reserve University." The new name was to be a memorial to Mr. Stone's only son, Adelbert, who had been drowned while a student at Yale. Mr. Stone proposed further, that of the sum offered by him one hundred and fifty thousand dollars should be expended in buildings and the remainder added to the permanent funds of the College. The committee weighed the comparative advantages of city and country situation and especially the opportunities for growth and development in the new environment. Moreover an investigation showed that, in the fifty years from its foundation to 1876, the College had received in gifts some three hundred and seventy-five thousand dollars, two hundred thousand dollars of which had been given for current expenses. The remainder constituted the College endowment, and included the funds used in establishing the Handy, Hurlbut, Oviatt and Perkins professorships. Mr. Stone's offer would exactly treble the endowment, in addition to providing a modern equipment. The committee, therefore, recommended the acceptance of the proposition, and the Trustees voted, on September 20 of the same year, to make the change whenever the conditions were fulfilled. On March 19, 1881, the Trustees voted that the conditions had been complied with and that the removal should be made.

*This sketch of the foundation of the College is based upon "A History of Western Reserve College, 1826-1876," by Rev Carroll Cutler, D. D., President, Cleveland, 1876.

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In accordance with this decision, in September, 1882, the College opened its doors on the new campus of twenty-two acres, situated in the midst of the great park system of Cleveland. On this campus two buildings had been erected, one containing rooms for the work of instruction, with offices, chapel, library and museum; the other, apartments for sixty students. The ensuing years have fully proved the wisdom of the change, as shown by the increase of students and of endowment funds. In 1883 the sum of one hundred thousand dollars was added to the funds of the College by the will of Mr. Stone. In 1888 the gymnasium was erected and equipped by the gifts of numerous friends. During the same year fifty thousand dollars were received to found the Haydn Professorship. In 1894 Mr. Samuel Mather built and furnished the Physical Laboratory, and Messrs. W. R. Warner and Ambrose Swasey presented the astronomical dome and the telescope. In the following year Mr. Henry R. Hatch presented the library building bearing his name, and in 1898 added the wings as provided in the original designs. In 1897 Eldred Hall, a building for the use of the Young Men's Christian Association, was erected through the gift of the late Rev. Henry B. Eldred. In 1899, the Biological Laboratory, to which many friends contributed, was completed. By the will of Daniel B. Fayerweather of New York City, who died in 1890, the College has received an additional endowment fund of one hundred and fifty thousand dollars. In 1901 the interior of the main college building was entirely rebuilt and refitted by a friend of the College, as a memorial to Mr. Stone.

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FACULTY AND INSTRUCTORS

Arranged, with exception of the President, in the order of graduation from college.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

LEMUEL STOUGHTON POTWIN, A. M., D. D., 389 Rosedale Av.
Professor of the English Language and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy, Dean of the Faculty.

CHARLES HARRIS, PH. D., 77 Cutler St.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology and Curator of the Zoological Collection.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

OLIVER FARRAR EMERSON, PH. D., 98 Wadena St., East Cleveland.
Oviatt Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin, Secretary of the Faculty.

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Professor of Romance Languages.

.....

Haydn Professor of History.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Associate Professor of Church History.

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JOHN DICKERMAN, A. B., 1957 Doan St.
Assistant Professor of Mathematics, Registrar.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Assistant Professor of Chemistry.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., 94 Glen Park Place.
Assistant Professor of German.

WALTER TAYLOR MARVIN, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Philosophy.

CLARENCE POWERS BILL, PH. D., 853 Logan Av.
Associate Professor of Greek.

CARL BYRON JAMES, B. S., 896 Hough Av.
Instructor in Biology.

ELBERT JAY BENTON, PH. D.,
The Auburn, 3020 Euclid Av., East Cleveland.
Instructor in History.

WILLIAM DINSMORE BRIGGS, PH. D., ..The Euclid, 2662 Euclid Av.
Instructor in English.

CHARLES CRISWELL ARBUTHNOT, PH. D., 10 Adelbert Hall
Instructor in Economics.

JOHN MILLS, A. B., 18 Adelbert Hall.
Instructor in Physics.

EDWARD VON DEN STEINEN, 47 Arlington St.
Instructor in Physical Culture and Director of the Gymnasium.

Additional instruction in their own departments is given by the following members of the Faculty of the College for Women:

HAROLD NORTH FOWLER, PH. D., The Brightman, 33 Cornell St.
Professor of Greek.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

HOWELL MERRIMAN HAYDN, A. B., 116 Ridgewood Av.
Associate Professor of Biblical Literature.

WILLIAM SPENCE ROBERTSON, PH. D., 23 Adelbert Hall.
Instructor in History.

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OTHER OFFICERS

HARRY A. HARING, A. B., 78 Cornell St.
Treasurer.

JOHN DICKERMAN, A. B., 1957 Doan St.
Bursar.

EDWARD CHRISTOPHER WILLIAMS, B. L., 1668 Lamont St.
Librarian.

EDITH LEONA EASTMAN, 161 Avondale Av., Glenville.
Assistant in the Library.

JOHN CLAYTON BARKLEY, A. B., 1406 Lexington Av.
Assistant in English.

ERNEST JAMES REECE, PH. B., 59 Beersford Place.
Assistant in English.

CHARLES CLARENCE WILLIAMSON, A. B., 10 Adelbert Hall.
Secretary to the President and Assistant in Economics.

STANDING COMMITTEES OF THE FACULTY

I. COMMITTEE ON ADMISSION:
PROFESSORS EMERSON, HARRIS*, DICKERMAN, *Secretary.*

II. EXECUTIVE COMMITTEE:
(*Having oversight of the classroom work and academic status of the students*)
PROFESSORS PLATNER, SMITH, WHITMAN*.

III. COMMITTEE ON CURRICULUM:
PROFESSORS EMERSON, MORLEY*, PLATNER.

IV. COMMITTEE ON PROGRAMME OF RECITATIONS AND LECTURES:
PROFESSORS BOURLAND, CUSHING*, TOWER.

V. COMMITTEE ON CATALOGUE:
PROFESSORS BOURLAND*, MARVIN, MEYER.

VI. COMMITTEE ON ROOMS:
PROFESSORS EMERSON*, HARRIS, HERRICK.

VII. COMMITTEE ON THE GYMNASIUM:
PROFESSORS CUSHING, DICKERMAN*, MR. VON DEN STEINEN.

*Chairman.

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STUDENTS

SENIORS

Cary Rudolph Alburn,	*Kyles' Corners*	ΔΚΕ House.
Harry Lester Bard,	*Cleveland*	1341 Lorain St.
George Forrest Barnett,	*Painesville*	Euclid Heights.
Henry Wilmer Blackburn,	*Wellsville*	ΦΓΔ House.
Robert Swinton Campbell,	*Cleveland*	2209 Superior St.
Walter Baldwin Carnes,	*Lima*	ΔΚΕ House.
Carl Judd Case,	*Hudson*	147 Cornell St.
Charles Manchester Coe,	*Cleveland*	503 Wade Park Av.
Harvey Lee Comin,	*Mansfield*	1812 Doan St.
John Lewis Conant,	*Cleveland*	1701 Dennison Av.
Walter Henry Cook,	*Cleveland*	724 Republic St.
George Nathaniel Forbes,	*Bedford*	101 Halsey St.
Charles Clarence Garman,	*Troy*	Eldred Hall.
Clark Peter Garman,	*Troy*	Eldred Hall.
Clarence Edward Gibbons,	*Tallmadge*	Euclid Heights.
William Hamilton Gillie,	*Twinsburg*	117 Adelbert St.
John James Gunn,	*Cleveland*	153 Dibble Av.
Howard Waring Herrick,	*Cleveland*	3006 Euclid Av.
Kenneth Ethelbert Hodgman,	*Parma*	ΦΓΔ House.
Frank Merrick Hubbell,	*Cleveland*	ΔΔΦ House.
Oliver Ingrhame Jones,	*Cleveland*	292 Prospect St.
Andrew Kaechele,	*Cleveland*	78 Aaron St.
Armin Hajman Koller,	*Cleveland*	122 Laurel St.
Harry Hull Lenhart,	*Wauseon*	2188 Doan St.
Budd Noble Merrills,	*Wickliffe*	ΔΤΔ Rooms.
William Theodore Miller,	*Cleveland*	999 E. Madison Av.
Arnold Minnig,	*New Philadelphia*	628 Superior St.
Walter George Miser,	*Annapolis*	101 Halsey St.
Homer Lynn Nearpass,	*Mishawaka, Ind.*	Hiram House.
John R. Petty,	*East Cleveland*	East Cleveland.
Robert Henry Horace Pierce,	*Toledo*	1812 Doan St.
Walter Lawrence Robison,	*Cleveland*	5 Hayward St.
Philip Wallace Seagrave,	*Cleveland*	22 Knox St.
William Ernest Singer,	*Weston*	ΔΤ House.
Clarence Ansel Strong,	*Warren*	ΔΤΔ Rooms.
Saul Charles Wachner,	*Akron*	89 Woodland Ct.
Chester Marvin Wallace,	*Willoughby*	Willoughby.
Andrew Bracken White,	*Cleveland*	19 La Grange St.
William Jerome Wilson,	*Brooklyn*	59 Knox St.

SENIORS 39.

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JUNIORS

Abner Lee Roy Allison,	*Cleveland*	92 Fourth Av.
John P. Barden, Jr.,	*Painesville*	ΔKE House.
Alton Hay Bemis,	*Cleveland*	225 E. Prospect St.
Fred Newton Burroughs,	*Collinwood*	Collinwood.
Ladimir Alrich Chotek,	*Cleveland*	55 Hamlet St.
Myron T. Cohn,	*Cleveland*	330 Genesee Av.
Howard Hubbell Davis,	*Cleveland*	457 Franklin Av.
Gillum Hotchkiss Doolittle,	*Burton*	2839 St. Clair St.
Charles Elmer Gehlke,	*Cleveland*	40 Abram St.
Ford Gramlich,	*Kenton*	2103 Doan St.
Emerson Freeman Hird,	*Lower Waterford, Vt.*	18 Nantucket St.
Thomas Richard Kennerdell,	*Cleveland*	88 Merchants Av.
Joseph Blaine Kollar,	*New Philadelphia*	252 Sibley St.
Gustav George Laubscher,	*Cleveland*	134 Duane St.
Ernest McKelvy,	*Upper Sandusky*	ΑΤΩ House.
Howard Thomas McMyler,	*Warrensville*	Warrensville
John Houston Marshall,	*Warren*	ΑΤΩ House.
William Claude Martin,	*Cleveland*	84 Marvin Av.
Henry Albright Mattill,	*Denver, Mo.*	430 Rosedale Av.
John Houser Meyer,	*Cleveland*	844 Logan Av.
Rienze Verne Myers,	*Shelby*	1617 Cedar Av.
Arthur Ernest Opperman,	*Cleveland*	14 Westchester Av.
Charles Norton Osborne,	*Cleveland*	1951 Doan St.
John Dexter Osmond,	*Chardon*	1957 Doan St.
James Allen Parker,	*Findlay*	ΔKE House.
Paul Marvin Pope,	*West Palm Beach, Fla.*	ΒΘΠ House.
Herbert Milford Senseny,	*Cleveland*	148 Lincoln Av.
Don Rollin Sipe,	*Lisbon*	ΒΘΠ House.
Albert Ralph Stickle,	*Kenton*	ΑΤΩ House.
William Melville Strachan,	*Cleveland*	2423 Broadway.
George Church Sutton,	*Cleveland*	491 Central Av.
William Ellsworth Talcott,	*Cleveland*	Rosedale Av. & Crawford Rd.
William Philip Ward,	*Cleveland*	235 Ursula St.
Eugene Everett Wolf,	*Cleveland*	42 Fourth Av.

JUNIORS 34.

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SOPHOMORES

David Clifford Alexander,	*Cleveland*	65 Jennings Av.
Thomas Brooke Anderson,	*Salem*	ΔKE House.
Edwin Ruthven Andrews,	*Lakewood*	ΔTΔ Rooms.
Warren Ernest Barr,	*Galion*	ΔT House.
Howard Sutorius Benz,	*Cleveland*	10½ Diamond Pk. St.
Harvey Alfred Berkes,	*East Cleveland*	52 Elberon St.
Saul Louis Berman,	*Cleveland*	835 Woodland Av.
Horace Victor Bishop,	*Cleveland*	883 Scovill Av.
J. C. Blackman,	*Twinsburg*	Twinsburg.
Julius Bloomberg,	*Cleveland*	309 Forest St.
Fred Bukstein,	*Cleveland*	34 Paddock Pl.
Thomas Priday Cadle,	*West Mentor*	West Mentor.
Alfred Albert Cartwright,	*East Liverpool*	ΔTΔ Rooms.
Arthur De la Vergne Coss,	*Lima*	ΒΘΠ House.
Nicholson Few Curtis,	*Cleveland*	43 Adelbert St.
Wheeler Pedlar Davey,	*Cleveland*	76 Gaylord St.
John Howard Dellinger,	*Cleveland*	818 Hough Av.
James George Esch,	*New Philadelphia*	2188 Doan St.
Herbert Oliver Evans,	*Cleveland*	2214 Broadway.
William Craig Filson,	*Lisbon*	45 Fairchild St.
Giordano Bruno Fliedner,	*Cleveland*	160 Wellington Av.
George Samuel Friebolin,	*Cleveland*	50 Higgins St.
George Lee Fulk,	*Painesville*	174 Fairchild St.
Charles Thomas Fursdon,	*Cleveland*	605 Scovill Av.
Oscar Louis Gaede,	*Cleveland*	154 Osborn St.
Sidney Longman Galpin,	*Jefferson*	1951 Doan St.
Ernest Walter Garrett,	*Cleveland*	775 Giddings Av.
Elmer August George,	*Cleveland*	101 Burton St.
Simon Rosenthal Goldsmith,	*Cleveland*	250 Kennard St.
Raymond Hart Griswold,	*Chardon*	Euclid Heights.
Douglas Peace Handyside,	*Cleveland*	25 William St.
James Handyside, Jr.,	*Cleveland*	25 William St.
John McCalla Harris,	*Cleveland*	77 Cutler St.
Paul Fred Hasse,	*Cleveland*	1667 Pearl St.
August John Walter Horst,	*Cleveland*	6 Wain Alley.
Albert Alexander King,	*Painesville*	ΔKE House.
Arthur Malachi Lee, Jr.,	*Bloomfield, N. J.*	ΑΔΦ House.
James Cooper Logue,	*Cleveland*	1 Plymouth St.
Walter Ira Longsworth,	*Lima*	ΔKE House.
Charles Harold Lyttle,	*Cleveland*	52 Arlington St.

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Benjamin Bruce McMullin,	*Sharon, Pa.*	A T Ω House.
William Clarence Malin,	*Glenville*	Glenville.
William Henry Meub,	*Warren*	137 Brandon St.
Clarence Wesley. Miller,	*Lima*	Φ Γ Δ House.
Meyer Mitchnick,	*Philadelphia, Pa.*	9 Adelbert Hall.
Robert Burns Motherwell,	*Findlay*	2188 Doan St.
Grover Jacob Frederick Mueller,	*Cleveland*	1049 Doan St.
Karl Brandt Naumann,	*Circleville*	24 Crawford Pl.
James Tertius Norton,	*Cleveland*	516 E. Prospect St.
Holly Elvertion Olin,	*Kent*	174 Fairchild St.
Antony Joseph Petrash,	*Cleveland*	1191 Broadway.
Lester Howard Phelan,	*Cleveland*	698 Bridge St.
Paul Irving Pierson,	*Warren*	203 Adelbert St.
Julius Pomerene,	*E. Cleveland*	47 Allandale St.
Howard Mills Potter,	*Chardon*	116 Ridgewood St.
Everett Edward Radcliffe,	*Cleveland*	135 Cedar Av.
Clay Laverne Reely,	*St. Mary's*	B Θ Π House.
John Frederick Schaechterle,	*Cleveland*	16 Adelbert Hall.
John Scheuer,	*Cleveland*	16 Adelbert Hall.
Allen Jay Shaw,	*Greenspring*	12 Adelbert Hall.
Thomas Hamlin Silver,	*Wellsville*	A T Ω House.
Rollin J. Stickle,	*Kenton*	A T Ω House.
William Reed Taylor,	*Cleveland*	78 Oakdale St.
Leland Rutherford Thompson,	*Youngstown*	21 Adelbert Hall.
Leonard Church Urquhart,	*Cleveland*	2228 Willson Av.
Ralph Milton Waters,	*Austinburg*	174 Fairchild St.
Ralph Howard Whipple,	*Cleveland*	771 Dennison Av.
Edgar Roy Wise,	*Collinwood*	230 Clark Av.
Otto Joseph Zinner,	*Cleveland*	1242 Broadway.

SOPHOMORES 69.

FRESHMEN

Perry Milton Adams,	*Tiffin*	Δ T Δ Rooms.
Louis Alexander,	*New Philadelphia*	252 Sibley St.
Fred Lewis Allen,	*Cleveland*	94 Harbor St.
George Wright Arnold,	*Rocky River*	Rocky River.
Asa C. Baldwin,	*Cleveland*	361 Crawford Rd.
Harley Brainard Barnett,	*Cleveland*	1640 Pearl St.
Corydon Ford Battershell,	*New Philadelphia*	West Park.
Augustus Weed Bell,	*Cleveland*	50 Belvidere St.
Howard Fred Bell,	*Jefferson*	Φ Γ Δ House.

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Claude Boss Benedict,	*Cleveland*	35 Star Av.
Carl Edmund Bliss,	*Cleveland*	1757 Pearl St.
John Henry Brandt,	*Cleveland*	6 Wayne St.
Max Richards Broadhurst,	*Oil City, Pa.*	45 Fairchild St.
Frank Clinton Brubaker,	*Cleveland*	590 W. Madison Av.
Edward Knowlton Bruce,	*Cincinnati*	1951 Doan St.
Walter Augustus Buell,	*Cleveland*	1256 Curtis Av.
Harvey Albert Burgess,	*Willoughby*	78 Brightwood Av.
Harry Payne Burton,	*Cleveland*	42 Clarkwood St.
Charles Henry Cain,	*Cleveland*	44 Norwood St.
Noble Ray Carroll,	*Cleveland*	194 Melrose St.
Dana Louis Clark,	*Cleveland*	158 Osborn St.
Arnold Elliott Cornell,	*Cleveland*	148 Taylor St.
Leon Prentiss Davis,	*Wickliffe*	ΔTΔ Rooms.
Grove Parker Dean,	*Fairmount*	Fairmount.
Myron Leroy DeVenne,	*Youngstown*	156 Murray Hill Av.
Harry Lane DeVoe,	*Orwell*	48 Harkness Av.
Ford Donley,	*Cleveland*	161 Aetna St.
Charles Herbert Draper,	*Cleveland*	578 Cedar Av.
Harvey Lucius Eaton,	*Rocky River*	1580 Cedar Av.
Raymond William Erwin,	*Salem*	ΦΓΔ House.
Felix Newman Feil,	*Cleveland*	513 Giddings Av.
Emil Timmerman Fischer,	*Cleveland*	140 Sixth Av.
Claude Vivian Frase,	*Jefferson*	2217 Euclid Av.
Arlond Clifton Garnett,	*Wickliffe*	Wickliffe
Willis R. Godfrey,	*Cleveland*	59 Quimby St.
Eli Irving Goldberger,	*Cleveland*	257 Commonwealth Av.
Thomas Don Golden,	*Upper Sandusky*	143 Cornell St.
Paul Emerson Guinther,	*Galion*	95 Mayfield St.
Frederick Sampson Hall,	*N. Adams, Mass.,*	95 Mayfield St.
Henry Edwin Hall,	*Ionia, N. Y.*	1453 Cedar Av.
Chester Edmund Haring,	*Massillon*	ΔT House.
William Henry Hasselman,	*Lorain*	127 Murray Hill Av.
Hugh Warren Hastings,	*St. Johnsbury, Vt.*	35 Nantucket St.
George Saville Hedley,	*Cleveland*	42 Afton Pl.
June Frederick Holderman,	*Fremont*	ΔT House.
Clinton Morris Horn,	*Medina*	45 Fairchild St.
Roy Edward Hundertmark,	*Geneva*	390 Rhodes Av.
Howard Kirk Hunter,	*Shelby*	28 Grasmere St.
Frank Salisbury Jackson,	*Washington C.H.*	35 Nantucket St.
John Boynton Kaiser,	*Cleveland*	87 Brookfield St.

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Charles Ralph Keim,	*Cleveland*	516 Bolton Av.
William Willard Kelly,	*Cleveland*	25 Vienna St.
Burton Russell Kimberly,	*Cleveland*	2075 Denison Av.
Forrest Alva Kingsbury,	*Osage, Ia.*	82 Auburndale Av.
Carl Herman Koch,	*Cleveland*	57 Conover St.
Edward Joseph Kovanda,	*Cleveland*	165 Quincy St.
Karl Lemmerman,	*Cleveland*	25 Cook St.
Richard Ludwig Lee,	*Bloomfield, N. J.*	153 Cornell St.
Sam Connell Lind,	*Cleveland*	727 Genesee St.
Joseph Roland McCorkle,	*Warren*	ΔΤΔ Rooms.
George Sim Macintosh,	*Cleveland*	245 Holmden St.
Carroll Brown Malone,	*Cleveland*	702 E. Prospect St.
Harold Wales March,	*Chagrin Falls*	153 Cornell St.
David Markus,	*Cleveland*	44 Linden St.
Amlon John Marsh,	*Ravenna*	24 Adelbert Hall.
George Joseph Martin,	*Cleveland*	435 Jennings Av.
Stephen Joseph Metzger,	*Shelby*	24 Adelbert Hall.
Charles Russell Miller,	*Cleveland*	35 Billings Av.
Frederick Daniel Niederhauser,	*Defiance*	820 Fairmount St.
Walter Godfrey Nord,	*Jefferson*	60 Bellflower Av.
Edward Dicky Pickering,	*Cleveland*	The Bellegrade.
Ralph Leroy Quass,	*Salem*	ΦΓΔ House.
Burke Brockway Roberts,	*Jefferson*	234 Linwood Av.
Bernhard Palissy Ruetenik,	*Cleveland*	1246 Scranton Av.
William Louis Schart,	*Cleveland*	1174 E. Madison Av.
Wilfred Adelbert Schulte,	*Cleveland*	61 Stanwood Av.
Malvern Emil Schultz,	*Elyria*	2071 Doan St.
David Selman,	*Cleveland*	1173 Case Av.
Zalmon Omar Sherwood,	*Madison*	24 Adelbert Hall.
William Shuler, Jr.,	*Miamisburg*	127 Murray Hill Av.
Joseph Byron Sieber,	*Akron*	112 Cornell St.
George Grover Spitzer,	*Grafton*	30 Wierfield St.
Graham Henry Stewart,	*Cleveland*	93 Decker Av.
Isaac Moore Stickney,	*Cleveland*	105 Walton Av.
Thomas Lawless Terrell,	*Cleveland*	224 Clinton St.
Harley Hasting Thomas,	*Cleveland*	489 Sibley St.
Robert Lincoln Thomas,	*Cleveland*	15 Vienna St.
Edgar James Tyler,	*Cleveland*	231 Harkness Av.
James Frederick Vitz,	*Cleveland*	45 Marvin Av.
Roy Eugene Walworth,	*Ashtabula Harbor*	117 Adelbert St.
William James Watterson,	*Cleveland*	152 Hawthorne St.

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Percival William Whitlock,	*Cleveland*	69 Fowler St.
Howard K. Williams,	*Cleveland*	56 Mayfield St.
Raymond Leroy Williams,	*Lorain*	26 Wilbur St.
Darcy Vernon Wonders,	*Cleveland*	482 Wade Park Av.
Frank Meade Woods,	*Cleveland*	49 Shipherd St.

FRESHMEN 96.

SPECIAL STUDENTS

Courtland Linden Booth (4)	*Oberlin*	286 Commonwealth Av.
Thomas Allan Boyle (3)	*Salem*	ΔKE House.
Harry Arthur Brereton (1)	*N. Tonawanda, N.Y.*	ΔTΔ Rooms.
Robertson Dunbar (2)	*Cleveland*	8 Hough Pl.
Jacob Franklin Gasser (1)	*Cleveland*	162 Osborn St.
Ralph Waldo Emerson Hoffman (1)	*Cleveland*	430 E. Madison Av.
Claude Clayton Kiplinger (1)	*Cleveland*	7 Fern St.
Frank Wright Lea (3)	*Danville, Va.*	12 Adelbert Hall.
George Russell McWatters (2)	*Cleveland*	125 Adelbert St.
Fred Christ Oldenberg (1)	*Cleveland*	667 Scranton Av.
Walter Howard Seagrave (4)	*Cleveland*	153 Cornell St.
John Calvin Winter (4)	*Cleveland*	1257 Euclid Av.

SPECIAL STUDENTS 12.

SUMMARY

Seniors	39
Juniors	34
Sophomores	69
Freshmen	96
Special Students	12
	250

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REQUIREMENTS FOR ADMISSION

Students are admitted to such standing in the College as their previous training warrants. This may be to the Freshman class, to advanced standing, or to partial courses. All candidates for admission must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

The regular examination for admission to the Freshman class is held at Adelbert College on the Friday and Saturday following Commencement (June 16-17, 1905). Attendance is required at the opening of the examination on Friday morning. The examinations, which are partly oral and partly written, occur as follows:

First Day—Mathematics, 9 A. M. to 12 M. (Arithmetic, 9 to 9:30; Algebra, 9:30 to 11; Geometry, 11 to 12); Greek, German and French, 2 P. M. to 5 P. M.; Chemistry, 2 P. M. to 3 P. M.; Physics, 3 P. M. to 4 P. M.; History, 4 P. M. to 5 P. M.

Second Day—Latin, 9 A. M. to 12 M.; English, 2 P. M. to 4 P. M.

A second examination, to accommodate those unable to attend the first, is held at Adelbert College on the Monday and Tuesday before the opening of the first term (September 18-19, 1905), beginning promptly at 9 A. M. The order of examinations is the same as at the regular examination. Candidates applying to be examined at other than these specified times, or late at the second examination, must obtain special permission from the Faculty. Candidates late at the regular examinations have no opportunity to make good their loss until the second examination.

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SUBJECTS REQUIRED OF ALL CANDIDATES

Each candidate must be prepared in English, Latin and Mathematics, according to the outlines of those subjects given below. Students whose examination papers show marked deficiency in spelling, punctuation, idiom or division into paragraphs, will not be admitted to any course.

ENGLISH: The examination consists of two parts. The student is required to show a general knowledge of the books marked A in the following lists, and to write several short paragraphs on different subjects chosen from them. In preparation for this part of the requirement it is important that the candidate shall receive instruction in the fundamental principles of rhetoric. He is also required to answer questions testing a thorough acquaintance with the books marked B. These questions relate to the author and subject matter, to the essentials of English grammar, and to the leading facts in those periods of English literary history to which the prescribed books belong.

Examinations in 1903 to 1905: *A*. For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B*. For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—six orations, including De Imperio Gn. Pompeii. Vergil—the Bucolics, two books of the Georgics and five books of the Æneid, or the Bucolics and six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS Arithmetic, including the metric system of weights and measures. Algebra (Milne's or Taylor's Academic, or Wentworth's College, to the chapter on the Binominal Theorem. Geometry—(Beman and Smith, Milne or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

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ADDITIONAL REQUIREMENTS

In addition to the above, each candidate must be prepared in either Greek; French; German; or Chemistry, Physics and History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered an equivalent). Homer—three books of the Iliad with prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), Jones's Exercises in Greek Prose (twenty-six exercises), or Pearson's Greek Prose Composition are recommended. History of Greece—Fyffe's Primer, Oman's, Myers's, or Smith's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

FRENCH: Ability to write simple sentences in French. A thorough knowledge of the elements of French Grammar, special attention being paid to the verbs. Ability to read ordinary French at sight, to pronounce French, and to understand simple French phrases when spoken. In addition, the reading of not less than seven hundred pages of prose and verse, chosen from standard modern novels, essays and plays.

GERMAN: Grammar, with translation at sight of easy German prose, based on previous reading of not less than two hundred pages of simple German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when uttered. In addition, the reading of not less than five hundred pages of classical and contemporary prose and verse, as exemplified in the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Classwork through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative,

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such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY (through one year): Courses suggested in the order of preference. Greek and Roman History (a separate course distinct from work in Latin or Greek); mediæval and modern History; English History; American History and Civil Government.

ADMISSION ON CERTIFICATE

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates, similar to that given below, will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates or send them by mail to the Registrar, Professor Dickerman, during Commencement week, or as soon thereafter as practicable.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated. In order to co-operate with the secondary schools in preparatory work, a report of the progress of each student admitted by certificate will be sent to the Principal of the school from which he comes. If those entering from any school during a term of years are found deficient in preparation, the privilege of entering on certificate will be withdrawn from that school.

[FORM OF CERTIFICATE]

Mr.....is a graduate of the.....
.....School, in the.....course, Class of.....
has pursued the studies marked below with the success indicated by the attached standing, and is hereby recommended for admission to the Freshman class, Adelbert College, Western Reserve University.

(*General requirements for admission:*)

ENGLISH: As prescribed on page 42 of this catalogue.
MATHEMATICS: See page 42.
LATIN: See page 42.

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In addition:
GREEK: As on page 43.
GERMAN: As on page 43.
FRENCH: As on page 43.
CHEMISTRY, PHYSICS, HISTORY: See pages 43, 44.

When the above requirements have not been exactly met, the equivalents offered therefor must be specified in detail. When a certificate does not meet the above requirements *in full,* the applicant may be required to pass the usual examination in any or all the requirements.

ADMISSION TO ADVANCED STANDING

Candidates who can present equivalents for any part of the college work will be given corresponding credit toward graduation. It is then possible for those entering with credit for any part of the college course to shorten by so much the number of hours required for a degree. Such students may be required to pass examinations on studies previously pursued. No one is admitted to the Senior class after the beginning of the second half-year.

In connection with entrance to advanced standing, attention is called to the opportunity for combining professional training with the undergraduate work of the last year. For further particulars see the statements regarding the Schools of Law and Medicine, on pages 60 and 61, and the Case School of Applied Science, on page 50.

ADMISSION TO PARTIAL COURSES

Students may receive instruction without becoming candidates for a degree, provided they can meet the requirements for admission to the Freshman class, or have pursued other studies which may be accepted as equivalent to the entrance requirements. *Such special students are permitted to enter only those courses for which their previous training has fitted them.* In general they are subject to the same requirements as to college regulations, number of hours of work, and standing in class as regular students, but each application is considered on its merits.

Special students, on severing their connection with the College, receive certificates of all work satisfactorily completed. The requirements for admission to each course may be learned on application to the Registrar.

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REQUIREMENTS FOR GRADUATION

FRESHMAN YEAR

SUBJECTS REQUIRED OF ALL STUDENTS

	FIRST HALF YEAR. HRS.	SECOND HALF YEAR. HRS.
BIBLE I	1	
ENGLISH I AND 2	3	3
LATIN I AND 2	3	3
MATHEMATICS I AND 2	3	3

IN ADDITION

Of students who enter with Greek:	GREEK I AND 2 / GERMAN I AND 2		
with German:	FRENCH I AND 2 / GERMAN 5 AND 6		
with French:	GERMAN I AND 2 / FRENCH 3 AND 4	6	6
with Natural Science:	CHEMISTRY 3 AND 4 / PHYSICS I (first half-year) .. OR HISTORY I (second half-year) / GERMAN I AND 2		
		16	15

In addition to the above subjects Freshmen are required to take Course 1 in Physical Culture, counting for one hour a week throughout the year.

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SOPHOMORE YEAR

SUBJECTS REQUIRED OF ALL STUDENTS

ENGLISH 3 AND 4, 1 hour a week throughout the year.

ELECTIVES, 15 hours a week throughout the year.

JUNIOR AND SENIOR YEARS

ELECTIVES, 15 hours a week throughout the year.

During the Sophomore, Junior and Senior years each student must complete not less than four half-year courses of three hours in each one of the following groups:

A	B	C
LANGUAGE AND LITERATURE	MATHEMATICS AND NATURAL SCIENCE	PHILOSOPHY, HISTORY AND SOCIAL SCIENCE
English, German, Greek, Latin, Romance Languages.	Astronomy, Biology, Chemistry, Geology and Mineralogy, Mathematics, Physics.	Economics and Politics, History, Philosophy.

In exceptional cases, with the permission of the Executive Committee, students may take a greater number of hours than those outlined for each year.

For opportunities to combine undergraduate work with professional training, see statements regarding Law and Medicine on pages 60 and 61, and the Case School of Applied Science on page 50.

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COURSES OF INSTRUCTION

The following statements describe all courses offered, both prescribed and elective. Prescribed courses are indicated on pages 46-47 of this catalogue; all others are elective. Unless otherwise stated, each course consists of three one-hour recitations each week. Numbers of courses are not necessarily consecutive. The hours at which courses are given will be found on the schedule of recitations, copies of which may be obtained at the office of the Registrar.

ASTRONOMY

PROFESSOR WHITMAN

1. ASTRONOMY. Young's Manual of Astronomy. The course is mainly descriptive, and is amply illustrated. Some attention is given to the history of astronomy. Second half-year.

BIBLICAL LITERATURE

PRESIDENT THWING

ASSOCIATE PROFESSOR HAYDN (Courses 2-6.)

1. THE LIFE OF CHRIST. Essays and discussions upon the principal doctrines of Christianity. One hour a week, first half of Freshman year.

2, 3. HEBREW GRAMMAR AND READING. An introductory course. Harper's "Elements of Hebrew" will be used, later the Old Testament text. Three hours a week, throughout the year.

4. NEW TESTAMENT GREEK. A critical reading of selections from the Gospels, Acts and Epistles, to bring out the special characteristics of this Greek. Either half-year.

5. NEW TESTAMENT EXEGESIS. (Open to those who have taken Course 4.) Written expositions of assigned passages, with discussions. Either half-year.

6. OLD TESTAMENT HISTORY AND INTERPRETATION. A course in the English Bible, aiming to discuss Old Testament problems in the spirit of modern constructive criticism. First half-year.

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BIBLIOGRAPHY

MR. WILLIAMS

1, 2. Reference Work. A study of the standard works of reference, as the general and special encyclopædias, dictionaries, annuals, indexes to periodicals, ready reference manuals of every kind, and the more important newspapers and periodicals.

3. Trade and National Bibliography. A study of the trade and national bibliography of the United States, England, France, and Germany, with a hasty survey of the other European countries. Special attention will be given to the United States and England, and to the bibliography of government publications. Familiarity with the works studied will be induced by practical problems.

For particulars of the courses in Bibliography, see the announcements of the Library School.

BIOLOGY

PROFESSOR HERRICK

MR. JAMES

1. Elementary Biology. An introduction to the study of animal and plant life. One recitation, two laboratory exercises of two hours each. Second half-year.

2. Zoology—Comparative Anatomy of Invertebrates. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. Zoology—Comparative Anatomy of Vertebrates. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

6. Physiology. Elements of the physiology of man and lower animals. Three exercises, consisting of lectures, recitations and demonstrations of one hour each. First half-year.

7. Elements of Vertebrate Embryology. A study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. Animal Behavior. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Two exercises weekly. First half-year.

10. Botany. An introduction to the study of plants. Instruction is given by lectures, laboratory work and field excursions. Second half-year.

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11. READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from December 1 to May 1 at a time most convenient to the members.

Laboratory fees are for Courses 1, 2, 3, 7, or 10, $5.00 each.

The following additional courses are offered for 1905-06, first half-year: Lectures on Living Things, in their fundamental relations, and a laboratory course in Cryptogamic Botany. In the second half-year a course in elementary Phanerogamic Botany, with field-excursions, will be substituted for course 10, and course 9 will be transferred to the second half-year.

CASE SCHOOL OF APPLIED SCIENCE

By agreement between the two institutions, students may be graduated both from the Case School and from Adelbert College, within the space of five years. For information with regard to this combined course, application should be made to the Dean of Adelbert College.

CHEMISTRY

PROFESSOR MORLEY
ASSISTANT PROFESSOR TOWER
ASSISTANT PROFESSOR GRUENER

1. CHEMISTRY OF THE NON-METALLIC ELEMENTS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. First half-year.

2. CHEMISTRY OF THE METALS. Wurtz's Elements of Chemistry. Two recitations and one laboratory exercise of three hours. Second half-year.

3. INORGANIC CHEMISTRY. A more advanced course in general chemistry, required of students who present natural science for admission. Newth's Inorganic Chemistry. One laboratory exercise and two recitations. First half-year.

4. INORGANIC CHEMISTRY. Course 3 continued. Second half-year.

5, 6. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

7. INORGANIC PREPARATIONS. This course will deal with the preparation of a number of inorganic compounds, making use of methods inapplicable to the elementary courses. Two laboratory

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exercises and one recitation each week. Open to those who have taken Courses 1 and 2, or Courses 3 and 4. First half-year.

8. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Open to those who have taken either Courses 1 and 2 or Courses 3 and 4. Second half-year.

9, 10. ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each, throughout the year.

11. PHYSIOLOGICAL CHEMISTRY. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. Open to those who have taken Courses 5 and 6. First half-year.

12. PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year. Open to those who have had three half-year courses in chemistry.

The Laboratory Fee for Course 12 is $2.00; for Course 1, 2, 3, 4, or 11, $3.00; for Course 5, 6, or 7, $5.00; and for Course 8, 9, or 10, $6.00. These fees are for each half-year. Breakage and other damage to apparatus are charged extra.

CHURCH HISTORY

ASSOCIATE PROFESSOR SEVERANCE

1. CHURCH HISTORY OF THE FIRST SIX CENTURIES. Especial attention will be devoted to the Patristic Literature and to the Doctrinal Controversies that rent the Church. First half-year.

2. CHURCH HISTORY OF THE MIDDLE AGES. The external history of the Papacy will be traced, and emphasis will be laid on the organization and administration of the Church and of the Monastic Bodies and on the Scholastic Philosophy.

3. THE REFORMATION. A general survey of the period, introducing the student to the wider literature of the subject. Special attention will be paid to the formative influences that shaped the doctrinal views of the Reformers.

4. MODERN CHURCH HISTORY. The period of Confessional Orthodoxy, Methodism, the Missionary Movement, and the Vatican Council are amongst the topics discussed.

5. LIFE IN THE MIDDLE AGES. This course will deal with the dwellings, costumes, food, occupations and habits of the men and

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women of that epoch. It will be illustrated by means of photographs and prints taken from mediæval manuscripts. First half-year, 1905-6.

6. THE BELIEFS AND SUPERSTITIONS OF THE MIDDLE AGES. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. Second half-year.

7. HISTORICAL AND GENERAL BIBLIOGRAPHY. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work.

ECONOMICS

DR. ARBUTHNOT.

The first course is a prerequisite to the election of any of the others, except courses 6, 8, 9 and 10.

1. ELEMENTS OF ECONOMICS. Lectures, recitations and required readings. The text-book is Bullock's Introduction to the Study of Economics. First half-year.

2. ECONOMIC THEORY. An historical and critical study of the principal theories of value and distribution. Second half-year, (1905-1906).

3. MONEY AND BANKING. The theory of money, the monetary history of the United States, and the banking systems of the United States and other countries are studied in this course. Lectures and required readings. First half-year.

4. PUBLIC FINANCE. This course deals with public revenues and expenditures. Lectures, assigned readings and individual investigation of special topics. Problems of state and local taxation are given special attention. The text-book is Adams' The Science of Finance. Second half-year, 1905-1906.

5. ECONOMIC PROBLEMS. A brief treatment of socialism is followed by a discussion of labor problems. Lectures, assigned readings and class reports. The text-books are Ely's Socialism and Social Reform and Levasseur's The American Workman. Second half-year.

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6. Economic History. This course treats of the economic history of England from the 13th to the middle of the 19th century. Lectures and required readings. The text-book is Cheyney's Industrial and Social History of England. Second half-year. 1905-1906.

7. Modern Industry. This course deals with the social economy of the present. The growth of corporations, the functions of speculation, and the problems of railway transportation are among the topics discussed. Lectures, assigned readings and class reports. Second half-year.

8. History of Political Thought. The development of political philosophy from the Greeks to the present, and its connection with political history. Lectures, with readings in examples of the principal schools. First half-year.

9. Comparative Politics. A comparison of the political institutions of five modern states, viz., the United States, Great Britain, the German Empire, the French Republic, and Switzerland. First half-year, 1905-1906.

10. Municipal Government. The economic, social and administrative problems presented by the modern city. A comparative study of American and European experience. Second half-year.

ENGLISH

PROFESSOR POTWIN (COURSES 12, 14, 15, 16, 19, 20)

PROFESSOR EMERSON (COURSES 3, 4, 5, 6, 8, 10, 11, 13, 17, 21-23)

DR. BRIGGS (COURSES 1, 2, 7, 30)

RHETORIC AND ENGLISH COMPOSITION

1. Rhetoric. A review of rhetorical theory with analysis of prose selections illustrating the principles of composition. A short theme each week, with conference for the correction of individual faults. First half-year.

2. English Literature. An introduction to the subject, with a study of masterpieces of poetry. Themes as in first half-year. Second half-year.

3. Theme Writing. Short themes each week with individual conferences for correction. Lectures on writing and the use of good English. One hour a week. First half-year.

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4. THEME WRITING. One long theme each week with individual conferences for correction and discussion of work. Lectures. One hour. Second half-year.

5. DAILY THEMES. Five short themes each week on subjects chosen by the student. Weekly conferences with each student for correction and suggestion. First half-year.

6. DAILY THEMES. Similar to Course 5, but of a more advanced character. Students must have had Course 5 or its equivalent. Second half-year.

7. FORENSICS. Critical study of masterpieces in argument and oratory, with preparation of briefs, argumentative essays and orations. First half-year.

8. HISTORY OF ENGLISH PROSE. Lectures on prose writers and the development of prose style. Critical reading of specimens of English prose from Mandeville to Burke, with collateral readings and essays. Second half-year.

ENGLISH LANGUAGE AND LITERATURE

Students are advised to take at least two of the first five courses before beginning those which follow.

10. CHAUCER AND SPENSER. A study of the minor poems and the Canterbury Tales of Chaucer, together with the most important poetry of Spenser. A survey of English poetry between Chaucer and Spenser, with lectures and collateral reading. First half-year.

11. SHAKESPEARE AND THE DRAMA. A general course on the literature during the reigns of Elizabeth and James I, with special emphasis upon the drama. Second half-year.

12. MILTON AND THE CLASSICISTS. English poetry from Milton to Pope inclusive, with special emphasis of Milton. The classical influence on English writers. Readings in the minor writers of the period. First half-year.

13. COLLINS TO KEATS. A rapid survey of the poets from the death of Pope to Cowper, and special study of Cowper, Burns, Wordsworth, Coleridge, Scott, Southey, Byron, Shelley, Keats. First half-year.

14. TENNYSON AND THE POETS FROM 1830. The poetry of Tennyson will be the central and principal study, with readings of other poets, except Browning, who is the subject of a separate course. First half-year.

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15. AMERICAN LITERATURE. Its beginnings, dependence on English authors, and development under the influences of our history. Second half-year.

16. HISTORY OF ENGLISH CRITICISM. The study will begin with Dryden, and include the critical works of Addison, Johnson, Hallam and others down to Matthew Arnold and the critics of today.

17. THE ENGLISH NOVEL. An historical course beginning with the story writers of the Elizabethan period, and following the development of the novel throughout the eighteenth, and early nineteenth century. Second half-year.

18. THE ENGLISH DRAMA before Shakespeare. Text-book, Manly's Specimens of the Pre-Shakespearean Drama. First half-year.

19. SHAKESPEARE. All the plays of Shakespeare to be read rapidly in the probable order of composition, with selection of characteristic passages. As an introduction, one of the more familiar plays will be studied for its illustration of the language of the period. Second half-year.

20. THE POETRY OF BROWNING. The study will follow the order of time of composition, typical selections being made for careful analysis and explanation. Second half-year.

21. OLD ENGLISH (ANGLO-SAXON). Lectures and recitations upon the language, with readings of selections from Old English prose and poetry. Special attention to the development of the language. First half-year.

22. MIDDLE ENGLISH. Lectures on Middle English language and literature, with readings of selections from prose and poetry. Special study of Chaucer and his contemporaries. Second half-year.

23, 24. ADVANCED STUDY OF OLD AND MIDDLE ENGLISH. Critical reading of texts, study of sources and of the development of language and literature. Throughout the year.

ELOCUTION

30. A course in vocal training and drill in public speaking. Instruction is given by lectures; by individual training in the analysis and delivery of oratorical masterpieces; and in the writing of orations. Three hours a week, second half-year.

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GEOLOGY AND MINERALOGY

PROFESSOR CUSHING

1. MINERALOGY. Crystallography, and descriptive and determinative mineralogy of about 100 of the more common mineral species. Two hours of recitation and lectures and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Either an extension of course 1, greatly increasing the number of minerals studied; or blow-pipe analysis of minerals; or physical crystallography and optical determination of minerals may be taken up, as the class may select. Three laboratory exercises of three hours each. Open only to those who have taken Course 1. Second half-year.

3. GEOLOGY. Lithology and dynamical geology. Three hours a week. First half-year.

4. Structural and historical geology, with field work in the vicinity of Cleveland. Open only to those who have taken Course 3 Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. First half-year.

7. A study of the local geology, with field work and mapping; together with a more exhaustive study of various geologic problems than was possible in previous courses. Courses 3 and 4 must precede. First half-year.

A laboratory fee of $2.00 is charged for Courses 1 and 2; of $1.00 for Course 7; and of $0.50 for Course 4.

GERMAN

PROFESSOR HARRIS

ASSISTANT PROFESSOR MEYER (COURSES 1-6)

1, 2. ELEMENTARY GERMAN. Grammar, reading and writing of easy German. In this and the following courses as much of the work as possible is done in German, but conversation is used as a means, not as an end. Required of all who begin German in college. Throughout the year.

3, 4. SECOND YEAR GERMAN. Study of grammar and drill in speaking and writing German continued. Reading of representative literary works. Open to all who have had Course 2 or its equivalent. Throughout the year.

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5, 6. SELECTED MASTERPIECES of representative German authors, the latter part of the year being usually given to Schiller. Composition and advanced grammar. For Freshmen who enter with German. Throughout the year.

7, 8. AUTHOR COURSE. The greater part of the year is given up to the more detailed study of one of the great writers, usually Goethe, but some other texts are also read. The work is partly in the form of class exercises and partly private reading on which the student is examined. Drill in writing German. Open to all who have had Course 4 or 6, or an equivalent. Throughout the year.

The following electives are open to all who have had Course 8 or its equivalent. Courses 9-12 are offered alternately; of the others, as a rule only one may be chosen in any one half-year.

9, 10. OUTLINE HISTORY OF GERMAN LITERATURE. Recitations from a manual, with collateral readings; lectures on German history and literature. Throughout the year.

11, 12. MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc. 1905-06. Throughout the year.

13, 14. MODERN GERMAN PROSE. This course is given up to the study of a few of the modern writers in the fields of history, biography, travels, etc. Essays, lectures, and portions of larger works are read. 1905-06. Throughout the year.

15, 16. MODERN FICTION. German Fiction since 1848 (lectures); readings from Auerbach, Scheffel, Freytag, Spielhagen, Sudermann and others. Throughout the year.

17. FAUST. Goethe's Faust; connected history of the Faust legend (lectures), with selected readings from the more important Faustbücher and Volksschauspiele. First half-year.

18. RECENT GERMAN DRAMA. Lectures on the history of the German drama since Goethe's death; with the reading of plays of representative modern dramatists. Second half-year.

19. MODERN GERMAN POETRY. German poetry of the nineteenth century with particular reference to the lyrics. First half-year.

20. GUSTAV FREYTAG. A detailed study of the life and works of Gustav Freytag, and of his relations to contemporary German literature. Second half-year.

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GREEK

ASSOCIATE PROFESSOR BILL

PROFESSOR FOWLER

ASSOCIATE PROFESSOR HAYDN

1. HOMER. THE ODYSSEY. Two books will be read consecutively and the remainder studied in representative selection and in English translation, with a view to a literary acquaintance with the entire poem. Second half Freshman year.

2. ATTIC ORATORS. Rhetoric. Greek History. Attic legal antiquities. Greek prose composition. First half Freshman year.

3. THE DRAMA. Two tragedies in the original; others in English translation. A study of meters and scenic antiquities. Second half-year.

4. PLATO. The Apology, Crito and selections from other works. A connected survey of Greek Literature. First half-year.

Courses 5-12 are open to students who have taken Courses 1-4 or an equivalent. As a rule only one of these courses is given in any half-year.

5. COMEDY. A play of Aristophanes. Selections from Lucian. First half-year.

6. HISTORY. Seminary work in Herodotus, Thucydides, Xenophon and other sources of Greek history. Second half-year.

7. IDYLLIC POETRY. THEOCRITUS. A comparative study of Vergil's Eclogues. First half-year.

8. PHILOSOPHY. Second half-year.

9. LYRIC POETRY. First half-year.

10. DEMOSTHENES. The Oration on the Crown. Æschines. Second half-year.

11. DRAMA. The development of Attic Drama as exhibited in the extant plays and fragments. First half-year.

12. ARCHÆOLOGY. Second half-year.

15, 16. ELEMENTARY GREEK. The essentials of the grammar. Simple exercises in composition. The reading of selections from Greek prose. Throughout the year.

17. NEW TESTAMENT GREEK. See Biblical Literature, Course 4.

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HISTORY

DR. BENTON
PROFESSOR BOURNE (Courses 9, 10)
DR. ROBERTSON (Courses 7, 8)

1. MEDIEVAL HISTORY. Europe from the fourth to the fourteenth century. Designed to be introductory to the more specialized courses in modern history, and therefore a prerequisite to admission to the other courses. Given both half-years.

2. HISTORY OF GERMANY from the close of the Middle Ages to the end of the eighteenth century, with special reference to the Renaissance, the German Reformation, the decline of the Holy Roman Empire and the rise of the modern German states. Second half-year. [Not given in 1904-05.]

4. HISTORY OF FRANCE from the close of the Middle Ages to the middle of the eighteenth century, with special reference to the social and political growth of the Old Regime. Second half-year.

5. HISTORY OF ENGLAND from the close of the Middle Ages to the Revolution of 1688. Special emphasis is placed on the development of the political, industrial and social institutions of the English people throughout this period. First half-year.

6. ENGLAND in the eighteenth and nineteenth centuries through the Reform period. The development of Parliamentary government and modern English constitutional law.

7. AMERICAN COLONIZATION. The discovery of the New World; Spanish, English and French colonization in America; the expansion of the English colonies and their development towards independence and union. First half-year.

8. HISTORY OF THE UNITED STATES. The adoption and growth of the constitution, the development of a foreign policy, of slavery and expansion, the civil war and reconstruction. Second half-year.

9. THE FRENCH REVOLUTION, 1789-1795, with introductory studies of the Old Regime, and emphasizing the permanent results of the Revolution in the political system of France. First half-year.

10. THE NAPOLEONIC PERIOD, 1796-1815, a continuation of 9 and introductory to the history of Europe during the nineteenth century. Second half-year.

11. THE HISTORY OF CONTINENTAL EUROPE SINCE 1815. Spread of the social and political doctrines of the French Revolution

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throughout Europe, the democratic and industrial revolutions, the union of Italy and reorganization of Germany, the treaty relations of the Great Powers, growth of international institutions in Europe. [Not given in 1904-05.]

12. EUROPEAN COLONIZATION. A history of the government of dependencies. Investigations will be made in the Spanish, Dutch, French and English practice and theory of colonial administration.

14. AMERICAN DIPLOMACY. The history of negotiations and treaties since 1776; the gradual growth of American principles of International Law; the rise of the United States to a World Power. Second half-year.

19. THE PURITAN REVOLUTION. The constitutional and social experiments and theories of the Puritans, chiefly from the primary sources. First half-year.

LATIN

PROFESSOR PLATNER

ASSOCIATE PROFESSOR BILL

1. LIVY OR CICERO. First half Freshman year.

2. PLAUTUS, two or three plays. HORACE, Satires. Second half Freshman year.

3. ODES OF HORACE. First half-year.

4. TACITUS, Germania and Agricola. JUVENAL, Satires. Second half-year.

5. CICERO'S LETTERS.

6. LUCRETIUS.

8. LATIN OF THE SILVER AGE. This course is based mainly on the letters of Pliny the Younger, Seneca, Tacitus, and Suetonius.

10. ROMAN ELEGIAC AND LYRIC POETRY.

Each of the elective courses, 5 to 10, is a half-year course, and in general they are given in a cycle, but no definite order can be stated, variations being introduced according to the number and character of the students.

LAW

Seniors in Adelbert College may elect work in the Law School of the University, provided it does not count for more than nine of the fifteen hours each week required for graduation. By availing themselves of this opportunity and by proper choice of electives in

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the College, students may complete one of the three years required for the degree in law, during their academic course. For details of such courses application should be made to the Dean of the Law School, Professor Hopkins.

MATHEMATICS

PROFESSOR SMITH
ASSISTANT PROFESSOR DICKERMAN

1. PLANE TRIGONOMETRY. First half Freshman year.

2. PLANE ANALYTIC GEOMETRY. Second half Freshman year.

4. ALGEBRA (advanced course). First half-year.

5. PLANE AND SOLID ANALYTIC GEOMETRY (advanced course). First half-year.

6. SPHERICAL TRIGONOMETRY. SURVEYING. Second half-year.

7. ELEMENTS OF DIFFERENTIAL AND INTEGRAL CALCULUS. Second half-year.

8. DIFFERENTIAL AND INTEGRAL CALCULUS (advanced course). First half-year.

9. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. 1905-1906. Second half-year.

10. QUATERNIONS. Kelland and Tait's Introduction to Quaternions. First half-year.

11. DIFFERENTIAL EQUATIONS. Murray's Differential Equations. Second half-year.

12. MODERN ANALYTIC GEOMETRY. Second half-year.

The Laboratory fee for course 6 is $1.00.

MEDICINE

Seniors in Adelbert College may elect work in the Medical College of the University, provided it does not count for more than nine of the fifteen hours each week required for graduation. By availing themselves of this opportunity and by proper choice of electives in the College, students may complete one of the four years required for the degree in medicine, during their academic course. For details of such courses application should be made to the Dean of the Medical College, Professor Millikin.

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PHILOSOPHY

PROFESSOR CURTIS

ASSISTANT PROFESSOR MARVIN

The following chronological order will be observed. Students wishing to elect any of the more advanced courses (5-15) in the Junior or Senior year are advised to take Courses 1, 2, 3 and 4, in the Sophomore or Junior year.

1. PSYCHOLOGY. An elementary course which presents in outline the entire subject matter, with special emphasis upon the functions of the Nervous System and the process of perception. First half-year.

2. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

3. LOGIC. This course, of which the purpose is chiefly practical, presents the elements of deductive and inductive logic, laying especial emphasis on the formal and material fallacies. Second half-year.

4. INTRODUCTION TO PHILOSOPHY. This course introduces the student to the chief problems of systematic philosophy, their history and present status. The instruction is given in the form of lectures and assigned private reading. Second half-year.

5. ETHICS. An outline of Ethics will be given by lectures. Some of the most important problems of ethics will be studied in their historical and philosophical aspects by reference to the works of Aristotle, Kant, Martineau, Sidgwick, Green, Spencer and Stephen. First half-year.

6, 7. GENERAL HISTORY OF PHILOSOPHY. A course for Seniors extending throughout the year. The first term reviews oriental and Greek thought with their bearings upon patristic and scholastic philosophy to the close of the sixteenth century. The second term will consider the main lines of thought from Bacon and Descartes to Wundt and Spencer, inclusive.

8. BRITISH PHILOSOPHY FROM BACON TO HUME. Lectures, recitations and private readings. The purpose is to acquaint the student with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning and Novum Organum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treat-

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ise of Human Nature. The course will bring forward the main problems of Modern Philosophy. First half-year.

9. THEORY OF SOCIETY, on the basis of Anthropology and Psychology. Open only to students who have done work in these sciences and also in Philosophy and Economics. Lectures and reports throughout the term. First half-year.

10. SOCIAL INSTITUTIONS, a continuation of the Theory of Society in its practical applications and illustrations by means of a classification of social institutions. Lectures and reports throughout the term. Second half-year.

11. THE PHILOSOPHY OF KANT. After the results of Hume's Philosophy have been reviewed, Kant's Prolegomena will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysics of Morality, the Critique of Practical Reason, and the Critique of Judgment. First half-year.

12. THE PHILOSOPHY OF HERBERT SPENCER. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Digests and essays are required for the purpose of bringing into prominence the main questions of Cosmology, and the bearing of Evolution on recent thought. Second half-year.

13. ADVANCED PSYCHOLOGY. The subject of the course is the Psychology of Education. Its aim is to apply the results of psychology to the solution of some of the chief problems of education. First half-year.

14. APPLIED LOGIC, OR SCIENTIFIC METHOD. In this course the general methods of science will be analyzed in order to study their principles and nature and logical justification. The chief works consulted are those of Mill, Sigwart and Venn. Second half-year.

15. INTRODUCTION TO THE PHILOSOPHY OF RELIGION. A brief presentation of religion in its psychological, historical, critical and constructive aspects. Second half-year.

PHYSICAL CULTURE

MR. VON DEN STEINEN

1. GYMNASTICS AND HYGIENE. This course includes mass calisthenics, gymnastics and games. The object of the course will be hygienic and recreative rather than educational gymnastics. Required of Freshmen for three hours each week during six months of the year. It counts as a one-hour course throughout the year.

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PHYSICS

PROFESSOR WHITMAN

MR. MILLS

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. ELECTRICITY AND MAGNETISM, LIGHT. Continuation of Course 1. Second half-year.

1. (*A*) General contents and text-book as in 1. For Freshmen presenting natural science for admission. The work is arranged to utilize as fully as possible the preparatory course in physics. First half-year. Under certain conditions this course may be postponed until the Sophomore year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics, or Preston's Theory of Light, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. An introduction to thermodynamics, given mainly by lectures, with references. Second half-year.

Alternating with 8.

5. ELECTRICITY AND MAGNETISM. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of Course 5. Second half-year.

7. MECHANICAL DRAWING. A course involving the principles of Descriptive Geometry and their application to Mechanical Drawing, the preparation of working drawings, elementary curve-tracing, etc. Second half-year.

8. MECHANICS. A study of the principles of applied mechanics. Text-book, Wright's Elements of Mechanics. Second half-year.

Alternating with 4.

9. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to text-books, and a few exercises in the laboratory. First half-year.

10. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

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11. PHYSICAL EXPERIMENT. Special topics in phyics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

13. PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and current physical literature by members of the conference. One meeting weekly.

Courses 10 and 11 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

Two weekly exercises under Course 11 may be combined with Course 10 to count for one three-hour course.

An elementary knowledge of the Differential and Integral Calculus is necessary for Courses 4, 5, 6, 8, and 11.

The Laboratory fee for Course 9 is $2.00; for each of the other laboratory courses, $4.00.

THE ROMANCE LANGUAGES

PROFESSOR BOURLAND

FRENCH

1. ELEMENTARY. Grammar and easy reading. Practice in speaking and writing French. First half-year.

2. ELEMENTARY COURSE continued. Reading of modern prose and plays, with practice in speaking and writing. Second half-year.

3. RAPID READING OF NINETEENTH CENTURY TEXTS, with practice in conversation. This course may be elected twice. First half-year.

4. (*a*) THE FRENCH CLASSIC DRAMA. Corneille, Racine, Voltaire, Molière. 1905-6. Second half-year.

4. (*b*) WRITERS OF THE EIGHTEENTH CENTURY. Montesquieu, Voltaire, Diderot; the Dramatists. Second half-year.

The foregoing courses will be offered annually, except that 4 (*a*) and 4 (*b*) will be given in alternate years; they or their equivalent must precede all other work in French. Of the following electives, not more than one may be expected in any half-year; for admission to them the special permission of the instructor is required.

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5, 6. FRENCH PROSE COMPOSITION. Practice in writing French, with review of syntax.

7. LITERATURE OF THE SIXTEENTH CENTURY. Montaigne, Rabelais. Lectures and recitations.

8. OUTLINES OF THE HISTORY OF FRENCH LITERATURE TO THE END OF THE SIXTEENTH CENTURY. Lectures with illustrative readings.

9, 10. HISTORICAL FRENCH GRAMMAR. Lectures on the phonology and morphology, with illustrative readings in Old French texts.

11. THE NATURALISTIC NOVEL. Balzac, Flaubert, Stendhal, Goncourt, Zola. First half-year.

12. JEAN-JACQUES ROUSSEAU. A study of his principal works, his life and his influence. Second half-year.

ITALIAN

The courses in Italian must be preceded by Courses 1 and 2 in French.

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. First half-year.

2. DANTE. The Purgatorio and the Vita Nuova. Lectures, readings and recitations. Second half-year.

SPANISH

The courses in Spanish must be preceded by Courses 1 and 2 in French.

1. ELEMENTARY COURSE. Grammar and easy reading, with practice in speaking. 1905-06. First half-year.

2. READING OF MODERN PROSE AND PLAYS, with special drill in speaking and writing Spanish. 1905-06. Second half-year.

3. THE CLASSIC DRAMA. Lectures on the dramatic literature of the sixteenth and seventeenth centuries, with readings from Lope de Vega, Tirso de Molina, Alarcón, Calderón. First half-year. [Not given in 1904-05.]

4. CERVANTES. Lectures, recitations and reports. Second half-year. [Not given in 1904-05.]

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GENERAL INFORMATION

TERMS AND VACATIONS

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the day of prayer for colleges, religious exercises are held in Eldred Hall. The exercises of each half-year begin with prayers in the chapel at nine o'clock.

RELIGIOUS WORSHIP

All students are required to attend daily prayers in the chapel. During the current year the following gentlemen, clergymen of the city of Cleveland, assist in the conduct of the chapel exercises: Very Reverend C. D. Williams, Reverend C. W. Carroll, Reverend M. O. Simons, Reverend E. A. Hanley, Reverend W. R. Stearly. Students are also expected to attend morning service on Sunday in the churches of the city. It is desired that students should connect themselves with the churches of their choice, and enter as far as possible into their religious activities.

The Young Men's Christian Association of the college holds its meetings in Eldred Hall. This building is devoted entirely to the religious and social work of the Association.

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LIBRARIES

The College Library, including the collections of former literary societies, contains about fifty thousand bound volumes and ten thousand unbound books and pamphlets. It is commodiously housed in the Hatch Library building, the gift of Mr. Henry R. Hatch, of Cleveland. The collections relating to the study of the German language and literature, French literature, United States history, and the history of the French Revolution are particularly full. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. The whole collection is classified according to the Dewey system somewhat modified. Students have access to all the books on the shelves, and the library is open from eight o'clock in the morning until half-past five in the afternoon.

In addition to the College Library, students may use the Public Library of Cleveland, which contains 150,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes this collection readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 50,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

Students thus have access to collections aggregating about 250,000 volumes and constantly increasing in number.

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LABORATORIES AND MUSEUMS

BIOLOGY. The Biological laboratory is designed for the study of the biological sciences, especially zoology and botany; for a biological museum, in the sense of a reference or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic and terrestrial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by himself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The laboratory of this department is, at the present time, on the third floor of the main building. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for the special investigator.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller

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apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement.

GYMNASIUM AND ATHLETIC FIELD

At the southern end of the campus is the gymnasium, and beside it the athletic field. The former is sufficiently equipped with apparatus for ordinary use. All members of the Freshman class are required to take systematic exercise in the gymnasium three times a week during six months of the year. During the same period a similar opportunity is afforded members of the other classes. All work is under the supervision of the instructor in Physical Culture.

The athletic field is graded, fenced and provided with seats for viewing athletic contests.

RULES GOVERNING ATTENDANCE

Each student is allowed, during each half-year, absences to the amount of one in twelve, from recitations in each study, provided that such absences do not immediately precede or follow a vacation or recess. Lack of preparation, when reported to the instructor beforehand, will be counted as an absence. Absences from chapel, or from work in the gymnasium, are treated in the same way as absences from recitation. The absence of any considerable number of a class, by agreement, is not included in allowed absences, and will lessen the number of allowed absences, as may be determined by the Faculty.

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Absences beyond the number allowed may be excused only by vote of the Executive Committee, and excuses are confined chiefly to cases of protracted illness. Applications for such excuses must be made through the Dean, in writing, within one week after the resumption of college duties, or they will not be considered.

Absences of athletic teams, glee clubs, delegates to fraternity conventions, etc., are made the subject of special permission, for which application must be made, in every case before the absence, to the Executive Committee.

All omitted exercises, allowed or excused, must be made up within one week after the resumption of college duties, at a time and place appointed by the instructor whose exercises were omitted. The responsibility in this matter *rests with the student.* For special reasons the instructor may grant an extension of the time beyond one week, or the Executive Committee may excuse the student altogether, on application in writing, through the Dean. A single omitted exercise is considered as made up if at the next exercise in that study there is a review, and the student reports that he is prepared upon the review as well as the advance lesson. In all cases a student is held responsible for preparation on omitted work whenever involved in review or examination.

Omitted exercises, not allowed or excused (or in any case, if not made up), will be counted as failures in reckoning a student's standing. Irregularities in attendance, not allowed or excused, are marked as follows: Absence from examination, public or private, five marks. Absence from lectures, two marks. Absence from any other exercise, one mark. Tardiness at, or egress from any of the above, one mark.

When the marks of a student amount to five, he will be informed of the fact, and a written notice will be sent to his father or guardian, together with a statement of all of his ab-

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sences, allowed and excused, and a copy of the rules. When the marks amount to ten, a second notice will be sent; when they amount to fifteen a third will be sent, and the student will be suspended from the privileges of the college for a period determined by the Faculty.

GRADES OF SCHOLARSHIP

Students are graded in their studies by letters which have value on a scale of eight, as follows:

E (excellent)	7-8
G (good)	6-7
F (fair)	5-6
P (pass)	4-5
D (deficient)	-4

At the close of each half-year, instructors combine the grades of the term's work and of examinations in any ratio they see fit; and report to the Registrar the resultant grades expressed in letters. The Dean then reports the grades of each student to his parent or guardian.

Care over the work of students is exercised by the Executive Committee after the following method: When the grade of a student becomes D in any study, the instructor reports the fact at once to the Dean, who sends an official notification of the deficiency to the student and to his parent or guardian. The instructor keeps the Dean informed as to whether the student's grade continues D. Once a month the Dean reports to the faculty all information which he has received from instructors in regard to the grades of students.

Any student whose grade is D in the class-work of any study may be dropped from that study at any time by a majority vote of the Executive Committee and the instructor whose course is involved. He shall be so dropped when he has had grade D for six consecutive weeks; unless by a

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majority vote of the same persons he is allowed to remain in the study under special probation for a short time. In all cases the student's grade is determined by all his previous work in a study from the beginning of the half-year.

If a student has grade D in the class-work of any study, he is not allowed to enter the examination, and cannot be graduated until the head of the department reports to the Registrar that the deficiency has been removed. In case the deficiency is in an elective study, the student may take in class some other elective of the same number of hours a week, and the satisfactory completion of such elective will be regarded as removing his deficiency.

If a student's term standing in any study is not below grade P, but he fails in his examination, the instructor hands in his grade as D and also notice that he is to be re-examined in that study. When he has passed this re-examination the instructor notifies the Registrar at once, and the deficiency is cancelled.

When a student so fails in his work that, in the judgment of the Executive Committee, he cannot successfully continue it, a condition is placed upon him. He cannot then go on with any study unless he makes up the deficiency before a specified time.

All conditions imposed at entrance must be made up before the beginning of the Junior year. Students who fail to comply with this rule will not be admitted to classes, or allowed to go on with their work. No student is allowed to enter the second half of his Senior year who has not made up all his deficiencies.

In general, regular students are not allowed to become special students on account of failure to maintain themselves in their regular work, but individual cases may be considered on their merits by the executive committee.

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DEGREES

In order to be recommended for a degree a student shall have passed in all the studies of his course and have attained a grade of F or a higher grade in two-thirds of them. Upon students who have completed these requirements the degree of BACHELOR OF ARTS is conferred.

For degrees in combination with the Medical College, the School of Law, and the Case School of Applied Science, see the synopsis of courses under the proper headings.

Members of classes earlier than that of 1893 may receive the degree of MASTER OF ARTS as heretofore, or, if they prefer, after a special course of study. The fee for the Master's degree is ten dollars. For further information candidates should address the Secretary of the Faculty, PROFESSOR PLATNER.

HONORS

In Chemistry, French, German, Greek, Latin and Mathematics, two-year honors are given to those students who, at the completion of the Sophomore year, have attained grade E in each course of these departments during two years, and grade F or a higher grade in all of their other studies.

Honors are awarded to the graduating class at each Commencement, and to the Junior class at the end of the Junior year. These honors are determined by the standing of the students in all their previous college work. To be recommended for a degree with honors, a student shall have attained grade F or a higher grade in all his college work; for degree *summa cum laude,* grade E in five-sixths of all his work; for degree *magna cum laude,* grade E in one-half of all his work, or E or G in five-sixths of it; for degree *cum laude,* E or G in one-half of all his work.

Opportunity is given to students having sufficient preparation to pursue studies and investigations outside the prescribed course under the direction and assistance of the

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Faculty, provided they maintain a standing of at least G in each of their regular studies. Students who pass successful examinations in these additional studies may be exempted from a portion of the regular examinations, and receive honorable mention in the catalogue.

PRIZES

PRESIDENT'S PRIZES are offered as follows:

Three prizes for excellence in producing and speaking orations are awarded to members of the Junior and Sophomore Classes who engage in a Junior-Sophomore oratorical contest at Commencement. Of these, two first prizes of thirty-five dollars each are given to the contestants who rank first in each class. A second prize of twenty dollars is awarded irrespective of class. The following rule respecting the competition has been adopted by the Faculty: a Sophomore who gains the first prize in any contest shall not compete again, and one who gains the second prize may compete in his Junior year for the first prize only.

Six prizes for the highest records in scholarship are awarded at the end of the Freshman year as follows: In French and German (students who enter with one modern language) twenty-five dollars; in German (students who enter without modern language) twenty-five dollars; in English, forty dollars; in Greek, twenty-five dollars; in Latin, forty dollars; in Mathematics, forty dollars. A prize of twenty-five dollars is also awarded for the best results in the work of the gymnasium during the Freshman year. These prizes are awarded only to those pursuing their Sophomore year in Adelbert College, and no prize will be given if it seems to the department or departments concerned that it is not clearly merited.

PHILOSOPHICAL PRIZES, founded by Mr. Truman P. Handy and continued in his memory by his daughter, Mrs. John S. Newberry, are offered as follows: Two prizes, one

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of sixty and one of thirty dollars, are awarded by a committee at the close of the college year to the two members of the philosophical group who shall excel in an original essay and a special examination. The subject assigned for 1904-1905 is "John Stuart Mill's Utilitarianism."

ENGLISH PRIZES are offered as follows: The Early English Text Society offers a prize for the best examination in Old and Middle English. The New Shakespeare Society offers a similar prize for the best examination in Shakespeare. Each prize consists of publications of the Society offering it.

THE HUGHES PRIZE. By the kindness of Mr. Rupert Hughes of the Class of 1892, two prizes, one of fifteen and one of ten dollars, are offered for the best poems written by undergraduates. These sums may be combined into a single prize in any year if any one poem is of exceptional merit. Competitors must submit their productions, in type-written form and under an assumed name, not later than May fifteenth of each year. No competitor may submit more than one poem in any one year.

THE HOLDEN PRIZE. Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior or Junior on some subject selected by the department of Rhetoric. Essays in competition for this prize must be type-written and submitted under an assumed name not later than May fifteenth, 1905. The subject for this academic year is "The New Humanitarian Spirit in English Poetry from Collins to Keats."

THE DEBATE PRIZE. In order to encourage and strengthen the debating interests of the College, an alumnus offers a prize of sixty dollars to be divided equally among the six students who win places on the debating teams in the preliminary contests, and represent the institution in the annual debates. The College Literary Society also offers a

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prize of ten dollars to each of its own members who wins a place on the team representing the college in the annual contest of the Ohio Debating League.

THE HARRIET PELTON PERKINS SCHOLARSHIP, the income of a fund of two thousand dollars, given for that purpose by Mr. Edwin R. Perkins, is awarded annually to that member of the Junior class who fills the following conditions: He must rank in the first third of his class in the study of the classics, having pursued Latin and Greek through the Sophomore year. Among those fulfilling the first condition he must also attain the highest rank for excellence in English, having taken, besides all required courses, at least three hours a week during both terms of the Junior year.

Except to Seniors, prizes awarded at commencement are paid at the beginning of the ensuing term, and no prize will be so paid unless the student continues his connection with the College.

THE FRANCIS G. BUTLER PUBLICATION FUND

In March, 1893, Mrs. Julia W. Butler gave one thousand dollars to found the Francis G. Butler Publication Fund, "the income from the fund to be devoted to the publication of the results of original research in the field of American history, made by the professors or students of Adelbert College, the College for Women, or the Graduate School of Western Reserve University."

EXPENSES

The College charges are as follows:

Matriculation	$ 5.00
Tuition, Incidentals, Library and Gymnasium, each year	85.00

BEGINNING WITH COMMENCEMENT 1906, A GRADUATION FEE WILL BE CHARGED.

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Students taking work in the biological, chemical, geological and physical departments pay for the cost of perishable material and the loss incident to the use of the instruments. Laboratory fees vary for different courses, and the amount for each is specified in the statement of courses. All College charges for the half-year are paid to the Bursar at the time of registration.

Board and rooms in private families in the vicinity of the College may be obtained at a cost of from three to five dollars a week; board in clubs for from two and a half to three dollars a week.

BENEFICIARY AND OTHER AID

Certain scholarships are awarded to meritorious students who need pecuniary aid. By these they are relieved of a portion of the fixed charges of the College. The scholarships are founded by gifts of $500 each, and are worth the interest of that sum at six per cent., or $30 a year. All scholarships are granted upon the following conditions:

1. All applicants for scholarships shall file written statements of resources, expenses and needs, accompanied in the case of those just entering college, whether as Freshmen or in the higher classes, by testimonials as to character and attainments.

2. Scholarships shall be granted annually upon each application, but may be withdrawn for cause at the end of one half-year.

3. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, shall be in the hands of the Executive Committee, who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

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4. In general only candidates for a degree in full standing are eligible to scholarships. But one may be granted to any student who, by reason of incomplete preparation, is obliged to enter college as a special student, but with the intention of making up his deficiencies and taking a degree, and it may be continued to him in successive years if his progress warrants the belief that he will carry out his intention. But a student in full standing who becomes a special student, shall not in general be eligible to a scholarship. A student, to be eligible to a scholarship, or to retain one, must in general maintain an average of F in all his studies and must not fall below the passing grade in any subject.

5. A scholarship may be withdrawn from a student whose work or conduct ceases to be satisfactory.

In addition to the scholarships, there are also certain funds which are loaned to students recommended by the Faculty. When repaid they will be used in aiding other students. A few of those students who have a thorough preparation for college are enabled to earn more or less money by teaching or other labor.

Students placed upon the list of beneficiaries are expected to maintain their standing in scholarship, and also to finish their course in this College. Before dismissal to another institution can be granted, the college dues, including the amounts given or loaned, must first be paid.

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THE COLLEGE FOR WOMEN

GENERAL STATEMENT

IN ORDER to provide more adequate means for the separate higher education of young women, the Trustees of Western Reserve University established the College for Women in 1888. The first session began in September of the same year. For the first three years of its existence the college depended largely for its courses of instruction upon members of the faculty of Adelbert College. At the end of that period it acquired a separate corps of instructors, so that since that time each of the two colleges, the one for women and the other for men, has had a Faculty of its own. In this relation special mention should be made of the generous gifts and bequests through which have been established the Eliza Clark Professorship of Greek, the Emily A. Woods Professorship of Latin, the Florence Harkness Professorship of Biblical Literature, and the Lucy A. Leffingwell Professorship of Philosophy. The two colleges have a common standard of work, and the relations of each to the other and to the rest of the University tend to develop a common breadth of outlook. Moreover, in a number of the departments, by exchange of work and other arrangements, instruction is given in each college by members of the Faculty of the other. Graduates of the College for Women receive their degrees from the University, of which it is an integral part. The system is thus not one of co-education, nor of complete separation in education, but of co-ordination.

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In 1892 the College occupied its present site on Bellflower Avenue, in the most attractive and healthful part of the city, a few steps from Euclid Avenue on one side and from Wade Park and the great system of parks and boulevards on the other. In 1898 and 1903 the college grounds were enlarged, so that they now contain about six acres. Clark Hall, named from its donor, Eliza Clark, was erected in 1892 from designs by Richard M. Hunt. It contains the library, gymnasium, and offices, in addition to recitation and study rooms. A home for students, called Guilford House, the gift of Mrs. Samuel Mather, was built in 1892 and greatly enlarged in 1894. The Florence Harkness Memorial contains, in addition to the main assembly room, the recitation room and library for the Bible classes. Haydn Hall is designed to provide rooms for study and social purposes, and also to serve as a dormitory. The laboratories in Biology, Chemistry, Geology and Physics are situated on the campus of Adelbert College and are used in common with the members of that college. The Hatch Library and Astronomical Observatory are also used in common.

In 1904 was erected the Mary Chisholm Painter memorial gateway.

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ADVISORY COUNCIL

Honorary President,
MISS L. T. GUILFORD.

President,
MRS. E. W. MORLEY.

Vice President,
MRS. G. A. GARRETSON.

Recording Secretary,
MISS KATHARINE CROXTON.

MRS. LUKE LASCELLES.
Corresponding Secretary,

MISS ANNA BURGESS.
Treasurer,

MRS. SAMUEL MATHER,
MRS. EDWARD W. HAINES,
MISS HARRIET SHELDON HURLBUT,
MISS HARRIET L. KEELER,
MRS. J. H. WADE,
MRS. CHARLES J. SHEFFIELD,
MRS. W. R. WARNER,
MISS AUGUSTA MITTLEBERGER,
MRS. P. H. SAWYER,
MRS. W. S. TYLER,
MRS. HENRY S. SHERMAN,

MRS. WILLIAM A. LEONARD,
MRS. J. J. TRACY,
MRS. JAY C. MORSE,
MRS. H. E. MYERS,
MISS MARY L. SOUTHWORTH,
MRS. DUDLEY P. ALLEN,
MRS. D. Z. NORTON,
MRS ARTHUR E. LYMAN,
MRS. SAMUEL A. RAYMOND,
MRS. WILLIAM E. CUSHING,
MISS CORA E. CANFIELD.

MISS MARY B. THWING, President of the Alumnae Association.

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Corresponding Members.

Mrs. Wm. H. Upson, Akron, O.
Mrs. C. W. Jacques, Ashtabula, O.
Mrs. J. Osborne Moss, New York.
Mrs. James A. Garfield, Mentor, O.
Mrs. H. S. Lane, Crawfordsville, Ind.
Mrs. C. O. Gridley, Erie, Pa.
Mrs. Thos. Kilpatrick, Omaha, Neb.
Miss Ellen G. Reveley, Syracuse, N. Y.
Mrs. Henry B. Perkins, Warren, O.
Mrs. Frank Swayne, Toledo, O.
Mrs J. S. Newberry, Detroit, Mich.
Mrs. Frank G. Sigler, Montclair, N. J.
Mrs. Joseph Howells, Jefferson, O.
Mrs. George H. Ely, Elyria, O.
Miss Caroline Hardy, Columbus, O.

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FACULTY AND INSTRUCTORS.

Arranged, with exception of the President, in the order of graduation from college, within each division.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HIRAM COLLINS HAYDN, D. D., LL. D., 173 Bellflower Av.
Harkness Professor of Biblical Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D.,
The Everlyne, 63 Ingleside Av.
Hurlbut Professor of Natural History and Chemistry.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Perkins Professor of Physics and Astronomy.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Woods Professor of Latin.

HAROLD NORTH FOWLER, PH. D., 33 Cornell St.
Clark Professor of Greek.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

HENRY PLATT CUSHING, M. S., 260 Sibley St.
Professor of Geology.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

ROBERT WALLER DEERING, PH. D., The Euclid, 2662 Euclid Av.
Professor of Germanic Languages and Literature.

HERBERT AUSTIN AIKINS, PH. D., (Absent for the year.)
Leffingwell Professor of Philosophy.

ANNA HELENE PALMIÉ., PH. B., 48 Mayfield St.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

HIPPOLYTE GRUENER, PH. D.. 43 Knox St.
Associate Professor of Chemistry.

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OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

HOWELL MERRIMAN HAYDN, A. B., 116 Ridgewood Av.
Associate Professor of Biblical Literature.

CHARLES EDWIN CLEMENS, 1093 Prospect St.
Instructor in the History and Theory of Music.

AILEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in Historical Bibliography.

JOSEPH LEOPOLD BORGERHOFF, A. M., The Auburn, 3020 Euclid Av.
Instructor in Romance Languages.

ELIZABETH KEMPER ADAMS, PH. D., 46 Knox St.
Instructor in Philosophy.

CARL BYRON JAMES, B. S., South Euclid, O.
Instructor in Biology.

CLARA LOUISE MYERS, PH. B., 116 Ridgewood Av.
Instructor in English.

WILLIAM SPENCE ROBERTSON, PH. D., 23 Adelbert Hall.
Instructor in History.

CHARLES CRISWELL ARBUTHNOT, PH. D., 10 Adelbert Hall.
Instructor in Economics.

MARY GEORGE CLARK, Guilford House.
Instructor in Physical Training.

JOHN MILLS, A. M., 18 Adelbert Hall.
Instructor in Physics.

OTTO MANTHEY-ZORN, PH. D., 508 Sterling Av.
Instructor in German.

Additional instruction in their own departments is given by the following members of the Adelbert College Faculty.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Handy Professor of Philosophy.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

EDWARD STOCKTON MEYER, PH. D., 94 Glen Park Place.
Assistant Professor of German.

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WALTER TAYLOR MARVIN, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Philosophy.

CLARENCE POWERS BILL, PH. D., 853 Logan Av.
Associate Professor of Greek.

ELBERT JAY BENTON, PH. D., The Auburn, 3020 Euclid Av.
Instructor in History.

NINA MAY ROBERTS, A. M., 30 Sayles St.
Assistant in English.

SARAH AMANDA BABBITT, A. B., 56 Mayfield St.
Assistant in Greek.

BESSIE MILDRED CHANDLER, PH. D., 894 Case Av.
Assistant in Biological Laboratory.

LILLIAN G. TOWSLEE, M. D., 406-8 Osborn Bldg.
Lecturer in Physiology and Hygiene.

JESSIE BOGGS, A. M., M. D., 1257 Euclid Ave.
Medical Examiner.

OTHER OFFICERS

BERTHA LOUISE TORREY, A. B., 4132 Euclid Av., East Cleveland.
Registrar.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Bursar.

HARRY ALBERT HARING, A. B., 78 Cornell St.
Treasurer.

CHARLES CLARENCE WILLIAMSON, A. B., 10 Adelbert Hall.
Secretary to the President.

EDWARD CHRISTOPHER WILLIAMS, B. L., 1668 Lamont St.
Librarian, Hatch Library.

ANNA LOUISE MACINTYRE, A. B., 136 Sawtell Av.
Librarian, College for Women.

ELIZABETH CURRIER ANNIN, *Housemistress,* Guilford House.

ISADORE HEYDENBURK, *Housemistress,* Haydn Hall.

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STUDENTS

SENIORS

Vera Andrew	*Cedarville*	Haydn Hall.
Ida Florence Budde	*Cleveland*	318 Quinby Av.
Mabel Elizabeth Chapman	*Cleveland*	103 Marcelline Av.
Alice Duty	*Cleveland*	2577 Euclid Av.
Etta Freedlander	*Cleveland*	158 Putnam St.
Malvina Friedman	*Cleveland*	96 Osborne St.
Nancy Lodelle Garrett	*Cleveland*	775 Giddings Av.
Helen Gilchrist	*Cleveland*	379 Amesbury Av.
Gertrude Marie Gillin	*Cleveland*	91 Quincy St.
Helen Sterrett Henning	*Fargo, N. D.*	Guilford House.
Hilda Maud Hetzel	*Miamisburg*	Haydn Hall.
Vesta Maude Jackson	*Cleveland*	1057 E. Madison Av.
Emanuela Anna Janousek	*Cleveland*	1772 Broadway.
Lena Rivers Kiefer	*Findlay*	Guilford House.
Grace Amanda King	*Butte, Mont.*	Guilford House.
Carrie Louise Krauss	*Cleveland*	1997 Superior St.
Maud Eugenia Lyman	*Chardon*	Guilford House.
Jean Bailey McFall	*Pittsburg, Pa.*	Guilford House.
Mabel Adele Morris	*Cleveland*	189 W. Madison Av.
Ruby Mary Osborne	*Binghamton,* N. Y.	Guilford Hse.
Phoebe Katharine Parks	*Collinwood*	31 Nantuckett St.
Grace Louise Pennington	*Cleveland*	79 Hough Av.
Jean Quay	*East Cleveland*	4050 Euclid Av.
Elizabeth Ellinwood Roberts	*Winsted, Conn.*	Guilford House.
Louise Christina Schuele	*Cleveland*	15 Jay St.
Helen Dennison Shepherd	*Painesville*	Guilford House.
Olga Elizabeth Solberg	*Salem*	Haydn Hall.
Lenore Irene Stein	*Cleveland*	1055 Case Av.
Helen Florence Stevens	*Cleveland*	5 Lake View Av.
Jennie Camille Suits	*Cleveland*	50 Bertram St.
Mary Eugenia Suliot	*Salem*	Haydn Hall.
Harriet Anna Thomas	*Cleveland*	489 Sibley St.
Gwendolyn Lloyd Thomas	*Cleveland*	85 Warner Rd.
Ruth Van Nostran	*Cleveland*	204 Harkness Av.
Ethel Georgia Ward	*Willoughby*	Guilford House.
Elizabeth White	*Euclid*	Euclid, O.
Lois Brockway Williams	*Cleveland*	127 Streator Av.

SENIORS, 37.

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JUNIORS

Lula Alberdena Alburn	*Youngstown*	Haydn Hall.
Mabel Estelle Anderson	*New York, N. Y.*	Guilford House.
Florence Margaret Brooks	*Cleveland*	6 The Heyse.
Lettie May Clague	*Madison*	103 Sterling Av.
Martha Cook	*Cleveland*	Guilford House.
Cornelia Cranz	*Akron*	Haydn Hall.
Marguerite Eckstein Case Day	*Cleveland*	2100 Dennison Av.
Mary Frances Day	*Warren*	Guilford House.
Irene Delahunt	*Buffalo, N. Y.*	9 Florence Av. Mayfield Heights.
Mildred DeLaney	*Cleveland*	160-62 Huntington St.
Ruth Elliott	*Lakewood*	17 Grace Av.
Aimee Carolyn Friend	*Milwaukee, Wis.*	Guilford House.
Helen Barber Gaines	*Cleveland*	173 Bell Av.
Charlotte Christine Geuder	*Cleveland*	222 Genesee Av.
Mary Estelle Hagan	*Cleveland*	386 Willson Av.
Gussie Kelley Hamilton	*Kelley's Island*	Haydn Hall.
Elsie Sophia Hauser	*Sandusky*	Haydn Hall.
Florence Adelaide Hobson	*Lakewood*	105 Oakdale St.
Sarah Mildred Honeywell	*Cleveland*	315 Genesee Av.
Clara Mary Horn	*Cleveland*	224 Slater Av.
Ethel May Hurst	*Lake Breeze*	924 Euclid Av.
Martha Louise Jeschke	*Cleveland*	33 Livingston St.
Edna Mary Jones	*Cleveland*	1143 Woodl'd Hills Av.
Margaret Dorothy Jones	*Cleveland*	Independence St.
Ruth Richmond Kennan	*Medina*	Guilford House.
Lillian Rhea Linn	*Cleveland*	112 Dibble Av.
Nellie May Luehrs	*Cleveland*	580 Willson Av.
Ruth Bixby McKean	*Cleveland*	757 N. Logan Av.
Ruth Lovern Mann	*Cleveland*	40 Hollister St.
Elma Anne Marble	*Girard*	Haydn Hall.
Eleanore Emma Michel	*Cleveland*	1869 Superior St.
Margretta Catherine Molony	*Cleveland*	156 Jennings Av.
Anna Louise Morgan	*Cleveland*	2232 Willson Av.
Nelly Bell Newton	*Cleveland*	408 E. Prospect St.
Christine Ortli	*Cleveland*	1083 Pearl St.
Mary Ann Peabody	*Cleveland*	64 Wabash Av.
Helene Selminski	*Cleveland*	22 The Hazard.
Adaline Sherman	*Cleveland*	Guilford House.
Helen Smith	*East Cleveland*	37 Grasmere St.

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Mary Arabella Thacher	*Toledo*	Haydn Hall.
Elva Held Thomas	*Cleveland*	840 Hough Av.
Anna Eliza Wallace	*Warren*	Guilford House.
Hazel Lucinde White	*Painesville*	3 Knowlton Av.
Ethel Cora Whitworth	*Cleveland*	61 Gorman Av.
Florence Woodward	*Cleveland*	95 Mayfield Rd.
Jennie Young	*Cleveland*	22 Melrose Av.
Lucy Harriet Young	*Cleveland*	22 Melrose Av.

JUNIORS 47

SOPHOMORES

Lucy Cordelia Allen	*Cleveland*	90 Kenilworth St.
Ruth Shirk Allison	*Erie, Pa.*	Haydn Hall.
Leila Covert Avery	*Buffalo, N. Y.*	657 Woodl'd Hills.
Florence Ruth Biddle	*Cleveland*	1264 Cedar Av.
Addie Laura Brewster	*Cleveland*	276 Hosmer St.
Helen Hunt Buchan	*Cleveland*	272 Harkness Av.
Jeanne Arwilda Buckmaster	*Mansfield*	Guilford House.
Florence Cornelia Bushnell	*Cleveland*	648 Castle Av.
Maud Augusta Carabin	*Monroeville*	Guilford House.
Ruth Josephine Collings	*Cleveland*	128 Duane St.
Eleanor Duffield Cooke	*Cleveland*	44 Hough Pl.
Carrie Belle Ebert	*Elyria*	Guilford House.
Cecile Leffingwell Enegren	*Moline, Ill.*	Haydn Hall.
Rosalie Alice Fiebeger	*Akron*	Guilford House.
Paula Marie Fliedner	*Cleveland*	160 Wellington Av.
Ethel Luella Gillin	*Cleveland*	91 Quincy St.
Ethel Marie Hanson	*Cleveland*	2220 Willson Av.
Elsie Heidenreich	*Cleveland*	18 Selden Av.
Mary Jessie Horsburgh	*Cleveland*	151 Hoadley St.
Jean Allan Howells	*Cleveland*	Guilford House.
Katherine Eleanor Joslyn	*Youngstown*	Guilford House.
Hazel Warrington Kirk	*Cleveland*	27 Brookfield St.
Florence Rose Lembeck	*Cleveland*	46 Streator Av.
Grace Lucile Libby	*Cleveland*	220 Princeton St.
Bessie Adelaide Lombard	*New Haven, Conn.*	462 Giddings.
Fannie Maude Luehrs	*Cleveland*	580 Willson Av.
Grace Estelle Merrill	*Ravenna*	Haydn Hall.
Mildred Kelly Moysey	*Elyria*	Guilford House.
Alma Mueller	*Cleveland*	862 Cedar Av.
Gertrude Maud Mueller	*Cleveland*	730 Willson Ave.

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Vida Alberta Nisbet	*Cleveland*	439 Russell Ave.
Loey May Oakley	*Cleveland*	800 Hough Av.
Lola Mabel Ruffin	*Washington, D. C.*	4 Hudson St.
Wilhelmina Sammler	*Marysville*	Haydn Hall.
Flora Ruth Schneider	*Canton*	Haydn Hall.
Ida Amy Schwab	*Cleveland*	1076 Case Av.
Hulda Schwartz	*East Cleveland*	40 Collamer Av.
Marie Virginia Smith	*Cleveland*	888 Hough Av.
Gladys Elizabeth Stevens	*Cleveland*	5 Lake View Av.
Frances Zoe Stowell	*Cleveland*	67 Cutler St.
Clara Louise Stumpf	*Cleveland*	719 Denison Av.
Lois Margaret Tuckerman	*Cleveland*	Guilford House.
Ethel Linda Van Nostran	*Cleveland*	204 Harkness Av.
Marie Clara Wait	*Cleveland*	17 Republic Pl.
Zola May Watson	*Bellville*	Guilford House.
Charlotte Williams	*Cleveland*	99 Glen Park Pl.

SOPHOMORES 46.

FRESHMEN

Ellen Catharine Ahrens	*Cleveland*	6 Evergreen St.
Ada Laura Akins	*Cleveland*	715 Republic St,
Annie Bienvenu Allen	*Painesville*	Haydn Hall.
Laurel Gail Baker	*Painesville*	Guilford House.
Elsie Aleen Baldwin	*Cleveland*	745 Giddings Av.
Marion Frances Beckenbach	*Cleveland*	53 Fifth Av.
Constance Isabella Bell	*Cleveland*	97 Fourth Av.
Gertrude Bialosky	*Cleveland*	274 Forest St.
Jessie Bialosky	*Cleveland*	778 Scovill Av.
Mary Louise Brack	*Glenville*	257 Lake View Av.
Eva May Brainerd	*Cleveland*	217 Clinton St.
Dorothy Adalaide Butts	*Cleveland*	485 Sibley St.
Gertrude Ord Campbell	*Cleveland*	743 Republic St.
Florence Cavanaugh	*Cleveland*	131 Fourth Av.
Nellie May Coblentz	*Mansfield*	The Charles.
Ethel Barrows Copland	*Buffalo, N. Y.*	The Logan.
Marion Cox	*Canton*	Guilford House.
Bessie Margaret Critchley	*Cleveland*	74 Giddings Av.
Helen La Verne Daniels	*Canton*	Hadyn Hall.
Gwendolyn Helen Edwards	*Youngstown*	267 E. Prospect St.
Florence Farr	*Salem*	Guilford House.
Hazel Elora Foster	*Cleveland*	478 Denison Av.

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Mildred Frederick	*Lakewood*	Hadyn Hall.
Margaret Willard Fuller	*Cleveland*	1205 E. Madison Av.
Anna Laura Gilgen	*N. Philadelphia*	Guilford House.
Aline Goldsmith	*Cleveland*	27 Fifth Av.
Elsa Danziger Goodman	*Cleveland*	Guilford House.
Ethel Gladys Green	*Perry*	Haydn Hall.
Eleanor Handmacher	*Cleveland*	2260 Broadway.
Louise Amelia Hanson	*Cleveland*	2220 Willson Av.
Ada Mayno Hart	*Lakewood*	52 Alameda Av.
Elizabeth Olin Haymaker	*Ravenna*	Guilford House.
Norma Herr	*Cleveland*	1276 Scranton Av.
Mabel Gertrude Hopkins	*Cleveland*	47 Jones Av.
Helena Ewart Howland	*Akron*	Guilford House.
Eva Jean Hunter	*Cleveland*	47 Hilburn Av.
Hazel Elizabeth Hyatt	*Cleveland*	69 Bolton Av.
Florence Ethel Jackman	*Cleveland*	40 Bell Av.
Elsie Eugenia Kelly	*Cleveland*	25 Vienna St.
Ethel Mears King	*Butte, Mont.*	Guilford House.
Annabelle Kinsey	*N. Philadelphia*	40½ Breck Av.
Hannah Olive Kummer	*Cleveland*	Guilford House.
Grace Lamport	*Cleveland*	3 York St.
Lucia Lemperly	*Cleveland*	574 Franklin Av.
Eleanor Adele Lofland	*Plymouth*	Haydn Hall.
Mary Esther Longsworth	*Lima*	Guilford House.
Eleanore Elizabeth Lord	*Kewanee, Ill.*	Guilford House.
Vinnetta Iona Lothrop	*Cleveland*	684 Jennings Av.
Fannie Hilda Lyman	*Cleveland*	190 Greenwood St.
Hazel Kay McDole	*Cleveland*	61 Dartmouth St.
Gertrude Helen McGuire	*E. Cleveland*	37 Belmore Rd.
Genevieve Mason	*Cleveland*	38 Bellflower Av.
Donna Lorena Mead	*Cleveland*	1 Arey Av.
Loretta Marie Mehling	*Cleveland*	487 Jennings Av.
Mildred Emily Morris	*Cleveland*	758 Superior St.
Nellie Dorothy Neubrand	*Berea*	Bridge St., Berea.
Lillian Theresa Niebes	*Cleveland*	144 Florence St.
Bessie Carter Parks	*Akron*	Guilford House.
Eleanor Jane Radcliffe	*Cleveland*	51 Penn St.
Mildred Emma Reeve	*Willoughby*	Guilford House.
Marie Louise Reid	*Cleveland*	30 Gladstone St.
Maggie Richardson	*Cleveland*	12 Oakland St.
Mabel Jane Rogers	*Parma*	59 Beersford Pl.

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Sara May Rusbatch	*Cleveland*	38 Bolton Av.
Eleanor Scheier	*Cleveland*	22 Cadwell Av., Mayfield Heights.
Edna Pearl Schleicher	*Cleveland*	101 Bolton Av.
Helen Louise Schmidt	*East Cleveland*	110 Noble Rd.
Ora Eunice Shaw	*Cleveland*	27 Brookfield St.
Vera Mabel Smisek	*Cleveland*	58 Kenwood St.
Willavene Sober	*Canton*	Guilford House.
Winnifred Maud Stilwell	*E. Cleveland*	37Stanwood Rd.
Mabel Florence Strickler	*Glendale*	Guilford House.
Nora Beryl Swearingen	*Midvale*	Haydn Hall.
Grace Helen Talcott	*Cleveland*	Rosedale Av. and Crawford Rd.
Lucy Agnes Terrell	*Cleveland*	224 Clinton St.
Marguerite Edna Trask	*Cleveland*	142 Beechwood St.
Sallie Ellen Van Epps	*Cleveland*	915 S. Logan Av.
Claribel Van Vliet	*Cleveland*	373 Harkness Av.
Lucile Henrietta Vickery	*Cleveland*	304 Van Ness Av.
Mabel Watkins	*Cleveland*	366 Amesbury Av.
Mary Watkins	*Cleveland*	366 Amesbury Av.
Helen Louise Way	*Cleveland*	1082 Central Av.
Ruth Olivette Weeks	*Cleveland*	48 Mayfield St.
Florence Margaret Wedow	*Cleveland*	93 Tilden Av.
Beulah Wells	*Wellsville*	Haydn Hall.
Hazel Belle Whittern	*Cleveland*	59 Woodbridge Av.
Bertine Wolf	*Cleveland*	316 Kennard St.
Agnes Therese Zismer	*Cleveland*	112 Mechanic St.
Emilie Zürcher	*Canton*	Haydn Hall.

FRESHMEN 89.

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STUDENTS PURSUING PARTIAL COURSES

FOURTH YEAR

Anita Marie Cleveland	*Cleveland*	392 Bolton Av.
Edith Condé	*East Cleveland*	33 Wellesley St.
Frieda Fliedner	*Cleveland*	160 Wellington Av.
Lillian Ethel Switzer	*Cleveland*	35 Lohengrin St.
Faye Emma Tracy	*Euclid*	Euclid, O.

THIRD YEAR

Lila Emily Coit	*Ravenna*	Haydn Hall
Laura Marie Hassler	*Cleveland*	39 Williams St.
Maude Barber Kendall	*Cleveland*	1306 Cedar Av.
Beulah Cranage Rayner	*Cleveland*	59 Edmunds Terrace.
Edith Belle Taylor	*Penn Yan, N. Y.*.	Guilford House.

SECOND YEAR

Cornelia Furth	*Cleveland*	The Whitehall.
Dorothy Heinemann	*Wausau, Wis.*	Guilford House.
Rita Stein	*Cleveland*	1055 Case Av.

FIRST YEAR

Mildred Douthitt	*N. Philadelphia*	Guilford House
Sadye Friedman	*Columbus Grove*	Hadyn Hall.
Elsie Marie Hipp	*Cleveland*	1012 Franklin Av.
Trissa Hubbard	*Bedford*	Bedford, O.
Julia Adaline Keeler	*Painesville*	Guilford House.
Mabel Newhard	*Carey*	Haydn Hall.
Marguerite Fannie Porter	*Cleveland*	20 Kenwood St.
Olive Carter Robbins	*Cleveland*	Overlook Rd., Euclid Heights.
Charlotte Jeanette Strickland	*Ravenna*	Guilford House.
Vera Wilcox Van Wormer	*Cleveland*	27 Kirk St.

SPECIALS 23.

SUMMARY

Seniors	37
Juniors	47
Sophomores	46
Freshmen	89
Specials	23
Total	242

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REQUIREMENTS FOR ADMISSION

All applicants for admission, whether to the Freshman class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character, and those from other colleges must also bring certificates of honorable dismission. Admission to the Freshman class may be gained in one of two ways, either on examination, or on presentation of a certificate from an approved High School or Academy. Each of these methods is outlined below.

ADMISSION ON EXAMINATION

Applicants for admission may be examined either during Commencement week or at the opening of the first term in September. Those who wish to be examined during Commencement week should notify the Registrar before June 10; those who wish to be examined in September, before September 10.

GENERAL REQUIREMENTS

Each candidate must be prepared in English, Latin, and Mathematics, according to the outlines of those subjects given below.

ENGLISH: The examination consists of two parts. On the books marked *A* in the following lists, the student is required to write a paragraph or two on each of several topics chosen by her from a considerable number set before her on the examination paper. In every case the knowledge of the book will be considered of less importance than the ability to write English. On the books marked *B*, the student is required to answer questions relating to the author, subject matter, the essentials of English grammar, and the important facts in those periods of English literary history to which the prescribed books belong. She is also expected to express her knowledge with clearness and accuracy.

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Examinations in 1904 and 1905: *A.* For Reading: Shakespeare's Merchant of Venice, and Julius Cæsar; The Sir Roger de Coverley Papers; Goldsmith's Vicar of Wakefield; Coleridge's Rime of the Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner. *B.* For Study: Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, Lycidas; Burke's Conciliation with America; Macaulay's Essays on Milton and Addison.

LATIN: Grammar (Bennett, or Allen and Greenough); Roman pronunciation. Cæsar—three books of the Gallic War, or two books of the Civil War. Cicero—Six orations, including De Imperio Gn. Pompeii. Virgil—six books of the Æneid. Ovid—Translation at sight. The translation at sight of passages from prose authors. Prose Composition—rendering of simple English sentences into Latin. History of Rome—the amount required is indicated by Smith's Smaller History of Rome, or Creighton's Primer of Roman History. Ancient Geography.

MATHEMATICS: Arithmetic, including the metric system of weights and measures. Algebra (Loomis, Wells, or Wentworth's College), to the chapter on the Binomial Theorem. Geometry—(Wentworth or Wells) complete.

NOTE: It is very important that students review a portion at least of both Algebra and Geometry in their last preparatory year.

SPECIAL REQUIREMENTS

In addition to the above, each candidate must be prepared in (a) Greek, or (b) French or German, or (c) Chemistry, Physics, and History. The entrance requirements in these subjects are as follows:

GREEK: Grammar; pronunciation as recommended on page vii of the Preface to Goodwin's Greek Grammar. Xenophon—four books of the Anabasis (for which one hundred and ten pages of Goodwin's Greek Reader will be considered an equivalent). Homer—three books of the Iliad, with Prosody. The translation at sight of easy passages in Attic prose. Prose Composition—the rendering into Greek of simple English sentences. White's Beginner's Greek Book (complete), or Jones's Exercises in Greek Prose (twenty-six exercises), is recommended. History of Greece—the amount required is indicated by Botsford's, Oman's or Myers's History of Greece, or Pennell's Ancient Greece. Ancient Geography.

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FRENCH: Grammar and syntax (stress being laid on the irregular verbs); accuracy of pronunciation; ability to understand easy spoken French; facility in rendering connected English into easy French; ease and accuracy in sight translation; familiarity with the following works or their equivalent:

Erckmann, Chatrian, Madame Thérèse; Halévy, L'Abbé Constantin; Labiche, Voyage de M. Perrichon; Contes de Coppée et de Maupassant (pub. by Holt & Co.); Augier, Le Gendre de M. Poirier; Molière, L'Avare; Corneille, Le Cid; Racine, Athalie; Balzac, Eugénie Grandet; Renan, Souvenir de Jeunesse; Ste. Beuve, Causeries du lundi (Holt & Co.).

GERMAN: Grammar, with translation at sight of easy German prose. Prose Composition—the rendering of simple connected prose from English into German. Ability to pronounce German and to recognize German words and simple phrases when spoken. In addition, familiarity with the following works or their equivalents, is required: Riehl—Der Fluch der Schönheit. Freytag—Aus dem Staat Friedrichs des Grossen. Heine—Die Harzreise. Goethe—First three books of Dichtung und Wahrheit. Lessing—Minna von Barnhelm. Schiller—Wilhelm Tell and Das Lied von der Glocke. Thirty pages of lyrics and ballads.

CHEMISTRY: Remsen's Chemistry, briefer course, or an equivalent. Class work (through one year). Laboratory.

PHYSICS: Carhart and Chute, Avery, or an equivalent. Class-work through one year. Each student must perform in the laboratory at least thirty-five or forty experiments, mainly quantitative, such as are given in the best laboratory manuals. The laboratory note-book should be presented as part of the certificate.

HISTORY: (through one year). Courses suggested in order of preference: Greek and Roman (studied as a separate course distinct from work in Latin), or Mediæval and Modern, or English.

ADMISSION ON CERTIFICATE

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with

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whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar, during Commencement week, or as soon thereafter as practicable.

When the above requirements have not been met exactly, the equivalents offered must be specified in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all of the requirements.

Students received on certificate are regarded as upon probation during the first half-year, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated.

ADMISSION TO ADVANCED STANDING

Candidates for admission to the Sophomore, Junior and Senior classes, whether from other colleges or not, may be required to pass examinations on studies previously pursued, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior class after the beginning of the second half-year.

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REQUIREMENTS FOR GRADUATION

FRESHMAN YEAR

GENERAL REQUIREMENTS

	First Half-Year. Hrs.	Second Half-Year. Hrs.
BIBLE, 1, 2	1	1
ENGLISH, 1, 2	3	3
LATIN, 1, 2	3	3
MATHEMATICS, 1, 2	3	3

SPECIAL REQUIREMENTS

Students offering Greek:	GREEK, 1, 2 PHYSICS 9 (first half-year) HISTORY 1 (second half-year)		
Students offering French:	FRENCH 5a, 6a PHYSICS 9 (first half-year) HISTORY 1 (second half-year)		
Students offering German:	GERMAN 5, 6 PHYSICS 9 (first half-year) HISTORY 1 (second half-year)	6	6
Students offering Science and History:	PHYSICS 1 A or CHEMISTRY 2 (first half-year) HISTORY 1 (second half-year) FRENCH 1, 2 or GERMAN 1, 2 or ELEMENTARY GREEK		
		16	16

In addition to the above subjects all members of the Freshman class are required to attend lectures on Hygiene, one hour a week, first half-year. Systematic exercises in the gymnasium three times a week, throughout the year, are required of Freshmen and Sophomores.

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SOPHOMORE, JUNIOR AND SENIOR YEARS

Bible 3, 4 required of all Sophomores.

Electives, 15 hours a week throughout the year. Seniors with the average grade of G may take 12 hours a week. Juniors and Seniors may diminish the number of their recitations, though not the total amount of their work, three hours a week, by arranging to do extra work in one or more courses.

During the Sophomore, Junior and Senior years each student must complete no fewer than four half-year courses of three hours in each of the following groups:

A	B	C
Language and Literature	Mathematics and Science	History, Philosophy, and Social Science

For the present Freshman class this programme will go into effect at the opening of the year 1905-6, with the exception that the courses in History and Physics formerly required of Sophomores must be completed. These courses may, however, be counted towards the fulfilling of the elective requirements of the last three years.

The programme may become effective for other students at once, provided they give written notice to the Registrar.

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COURSES OF INSTRUCTION

The following statements include all courses offered, whether prescribed or elective. Unless otherwise stated, each course consists of three weekly recitations of one hour each.

In making choice of elective courses students are expected to confer with the President, Registrar, and members of the Faculty for advice and assistance. Students must give the Registrar written notice of their choice of electives for the second half-year of 1904-1905, on or before January 14th, 1905; for first half-year, 1905-1906, on or before May 20th, 1905.

ANTHROPOLOGY

PROFESSOR CURTIS

1. ANTHROPOLOGY. The main problems and bearings of Anthropology are discussed in systematic order. Lectures are given on the history of Anthropology, and an effort is made to understand its position in the present century. First half-year.

2. THEORY OF SOCIETY. This course uses Anthropology as a basis of Social Theory, and is given in lectures with discussions and reports by students. Open only to those who have had courses in Anthropology, Psychology and Introduction to Philosophy. First half-year.

3. SOCIAL INSTITUTIONS is a continuation of course 2 in its practical applications to a genetic classification of Social Institutions. Lectures throughout the term with special assignments to students. Second half-year.

ART

PROFESSOR FOWLER

1. HISTORY OF ART. Ancient art—Lectures and collateral reading. Through the year. [Not given in 1905-1906.]

2. HISTORY OF ART. Post-classical art; from the beginning of Christian art through the period of the Renaissance—Lectures and collateral reading. Through the year. 1905-1906.

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ASTRONOMY

PROFESSOR WHITMAN

The course is mainly descriptive and is amply illustrated. The simpler problems of spherical astronomy are discussed. Some attention is given to the history of astronomy. Text-book, Young's General Astronomy. Second half-year.

BIBLICAL LITERATURE

PRESIDENT THWING, 1

PROFESSOR HAYDN

ASSOCIATE PROFESSOR HAYDN, 2-11

1. THE LIFE OF CHRIST. One hour a week, first half-year.

2. THE ACTS OF THE APOSTLES. One hour a week, second half-year.

3, 4. STUDIES IN THE OLD TESTAMENT. One hour a week throughout the year.

5. STUDIES IN THE ACTS AND THE GENERAL EPISTLES. A critical course intended for those who can use the Greek Testament. Second half-year.

NOTE: This course may serve as a substitute for Course 2, if desired.

6. THE PAULINE EPISTLES. A course in the English Testament, aiming to exhibit the circumstances of writing, content, and permanent value of these epistles to the Church. First half-year.

7. THE GENERAL EPISTLES. A course similar to 6. Second half-year.

8. OLD TESTAMENT POETRY. A series of studies in the English Old Testament, taking up Hebrew poetry as exhibited especially in the historical books, in Proverbs, and in Psalms. Second half-year.

9. JEWISH HISTORY AND LITERATURE in the Post-Exilic Period. A course in the English Old Testament. Supplementary to 4, designed to exhibit the most important features of this period in history, literature, and religion. First half-year.

NOTE: Courses 8 and 9 are open to those only who have had courses 3 and 4.

10, 11. HEBREW GRAMMAR AND READING. An introductory course. Harper's Elements of Hebrew will be used, with the Old Testament text. Throughout the year.

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The establishment of the Florence Harkness Foundation has enabled this department not only to become exceptionally well supplied with maps and books, but to offer each year to all the students a series of lectures by eminent persons from outside the University, including Dr. William H. Ward, of the Independent; Professor Charles P. Fagnani, of Union Theological Seminary; Mr. Gerald Stanley Lee, of Northampton, Mass.; Professor George Adam Smith, of United Free Church College, Glasgow, Scotland; Professor Richard G. Moulton, of the University of Chicago; Professor Frank K. Saunders, Ph. D., D. D., of Yale University; Professor W. D. Forrest, D. D., of Glasgow, Scotland; and The Right Reverend Henry C. Potter, Bishop of New York.

The lecturer for 1904-1905 is Professor John E. McFayden, A. M., of Knox College, Toronto, and his topic, Some Problems of Faith and Life as Viewed by Biblical Writers. The time, March 16, 17. 20, 21, 22, 1905.

In Old Testament teaching the object is to trace the development of the idea of the Kingdom of God, as wrought out in the history of the Hebrew people until the coming of Christ; to dwell upon the pivotal men and periods of the history; to take account of the several books, their significance and literary form—so to prepare the way for a more intelligent study of the Scriptures, in detail, in after life.

BIBLIOGRAPHY

MR. SEVERANCE, 1, 2

MR. WILLIAMS, 3, 4

1. Historical and General Bibliography. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examination will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work.

2. The Sources and Literature of Mediaeval History. This course will describe the original material at the command of the historian of the Middle Ages, and show what use has been made of this source material by modern writers. The course is designed for students interested in historical study or library work.

3. Reference Work. A study of the standard works of reference, as the general and special encyclopædias, dictionaries, annuals, indexes to periodicals, ready reference manuals of every kind, and the more important newspapers and periodicals.

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4. Trade and National Bibliography. A study of the trade and national bibliography of the United States, England, France, and Germany, with a hasty survey of the other European countries. Special attention will be given to the United States and England, and to the bibliography of government publications. Familiarity with the works studied will be induced by practical problems.

For particulars of the courses in Bibliography, 3, 4, see the announcements of the Library School.

BIOLOGY

PROFESSOR HERRICK

MR. JAMES

1. Elementary Biology. An introduction to the study of animal and plant life. One recitation, two laboratory exercises of two hours each. Second half-year.

2. Zoology—Comparative Anatomy of Invertebrates. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. Zoology—Comparative Anatomy of Vertebrates. A comparative study of the principal types of vertebrates. One recitation and two laboratory exercises. First half-year.

6. Physiology. Elements of the physiology of man and the lower animals. Lectures, recitations, and demonstrations. First half-year.

7. Elements of Vertebrate Embryology. A study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. Animal Behavior. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Two exercises weekly. Second half-year.

10. Phanerogamic Botany. An introduction to the study of the higher flowering plants. Lectures, field and laboratory work. Second half-year.

11. Cryptogamic Botany. An introduction to the study of the lower orders of plant-life (continuing the work of course 10), including such forms as are of pathogenic and economic importance. One lecture, two laboratory exercises. First half-year.

12. Living Things. A series of lectures, with illustrations on the phenomena of life in their fundamental relations, dealing with living form and structure, action, habit and instinct, intelligence, heredity

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and evolution: A brief account of the field of biological science, for the benefit of the general student, with a review of some of the work accomplished, and some of the problems which await investigation. One hour a week, first half-year.

13. READING CLUB. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly from December 1 to May 1 at a time most convenient to the members.

The Laboratory Fees for the different courses are: Courses 1, $3 00; 2, 3, 7, 10, 11, $5.00.

CHEMISTRY

PROFESSOR MORLEY
ASSOCIATE PROFESSOR GRUENER
ASSISTANT PROFESSOR TOWER

1. CHEMISTRY OF THE NON-METALLIC ELEMENTS. Remsen's College Chemistry. Two hours a week in recitation and one laboratory exercise of three hours. First half-year.

2. INORGANIC CHEMISTRY. A more advanced course in general chemistry, designed for students entering with a preparation in chemistry. Newth's Inorganic Chemistry. Two recitations and one laboratory exercise. First half-year.

3. CHEMISTRY OF THE METALS. Remsen's College Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. Second half-year.

4. PHYSIOLOGICAL CHEMISTRY. Including the chemistry of food and nutrition. Two recitations and one laboratory exercise of three hours. Open to those who have taken course 1 or course 2. Second half-year.

5. ORGANIC CHEMISTRY. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours. Open to those who have taken courses 1 and 3, or courses 2 and 3. First half-year.

6. Course 5 continued. Second half-year.

7. ELEMENTS OF QUALITATIVE ANALYSIS. Three laboratory exercises of three hours each. Second half-year.

The Laboratory Fees for the different courses are: Courses 1, 2, 3 or 4, $3.00; Courses 5 or 6, $5.00; Course 7, $6.00.

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ECONOMICS

DR. ARBUTHNOT

The first course is a prerequisite to the election of any of the others, except courses 6, 8, 9 and 10.

1. ELEMENTS OF ECONOMICS. Recitations, lectures and required readings. Text-book, Seager's Introduction to Economics.

4. PUBLIC FINANCE. This course deals with public revenues and expenditures. Text-book, Adams' The Science of Finance. Second half-year. 1905-1906.

5. ECONOMIC PROBLEMS. A brief discussion of Socialism is followed by a study of labor problems. Lectures and required readings. Second half-year. 1904-1905.

6. ECONOMIC HISTORY. The economic history of England from the thirteenth to the middle of the nineteenth century. Lectures and required readings. Text-book, Cheyney's Industrial and Social History of England. Second half-year. 1905-1906.

8. HISTORY OF POLITICAL THEORIES. The development of political theories from the Greeks to the present in connection with political history. First half year. 1904-1905.

9. COMPARATIVE POLITICS. A study of European and American national governments. First half-year. 1905-1906.

10. MUNICIPAL GOVERNMENT. The economic, social, and administrative problems presented by the modern city. A comparative study of American and European experience. Second half-year. 1904-1905.

ENGLISH

PROFESSOR HULME

MISS MYERS, 1-7a

COMPOSITION

1, 2. PRINCIPLES OF ENGLISH COMPOSITION. Lectures, recitations, themes and conferences. Especial attention will be given to paragraph writing and the study of modern prose writers. Throughout the year.

3. DAILY THEMES (for a considerable portion of the time); frequent long themes, lectures, conferences. Open to all who have taken courses 1 and 2. First half-year.

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4. CONTINUATION OF 3. In the course of the year detailed attention will be given to exposition, criticism, description, narrative and argumentation. Second half-year.

5. THEMES. The work in this course will be adapted to the needs and tastes of the students electing it. Especial opportunity will be given for criticism by the members of the class. Open to those who have taken courses 3 and 4. First half-year.

6. CONTINUATION OF 5. Under the direction of the instructor, each student will be required to plan and write a piece of composition of considerable length. This course may be elected two years in succession. Second half-year.

7. ARGUMENTATION. Two long forensics, preceded by briefs. The questions for these forensics will be so selected that each student may write on a subject connected with her college studies. Lectures, conferences, study of masterpieces of argumentation, briefs based on the latter debates. Second half-year.

7a. ENGLISH VERSIFICATION. A study of metrical and rhythmical theories. Students will be required to translate from Latin, French and German into English verse. Second half-year.

LANGUAGE

8. A BEGINNERS' COURSE IN OLD ENGLISH. In this course special attention is given to the elements of Old English grammar, and to the reading of selections from Old English prose and poetry. Text-books: Smith's Old English Grammar; Bright's Anglo-Saxon Reader. First half-year.

9. OLD ENGLISH EPIC POETRY. Beowulf is read and is made the basis of a careful study of the mythology, and the religious and social life of the Anglo-Saxons. Advanced Old English grammar. Parallel reading of other epic fragments in Old English. Text-books: Wyatt's Beowulf; the Cook-Sievers Old English Grammar. Second half-year.

10. OLD AND MIDDLE ENGLISH. The Elene is read with the class. Lectures on Cynewulf and Old English poetical literature. The history of the English language, and readings from late Old English and early Middle English. Text-books: Kent's Elene; Emerson's History of the English Language; Morris and Skeat's Specimens of Early English, Part I. First half-year.

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LITERATURE

11. CHAUCER. Select readings from the Canterbury Tales. Lectures on Chaucer's life and works, and on his contemporaries and immediate successors in English literature. Text-books: Mather's edition of The Prologue, The Knight's Tale, and The Nonne Prestes Tale. Second half-year.

12. NON-DRAMATIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. In this course the work will be confined mainly to a careful study of the poetry of Spenser and Milton. First half-year. 1905-1906.

13. SHAKESPEARE AND THE ELIZABETHAN DRAMA. This course is preparatory to a more extended study of Shakespeare and his contemporaries. A brief history of the Pre-Shakespearean drama in lectures. A study of three or four of Shakespeare's plays. First half-year. 1905-1906.

14. SHAKESPEARE. Lectures on the development of Shakespeare's art and the later Elizabethan drama. The class is required to read all of Shakespeare's plays. Open to students who have had course 13 or its equivalent. 1905-1906. Second half-year.

15. ENGLISH LITERARY CRITICISM. The history of literary criticism. The class will study select essays of Dryden, Steele and Addison, Johnson, Coleridge, Lamb, Hazlitt, DeQuincey, Leigh Hunt, Carlyle, Matthew Arnold and others. Lectures and papers. Open to students who have had courses 16 and 17 or their equivalent. First half-year. [Not given 1905-1906.]

16. CLASSICISM IN ENGLISH LITERATURE. A history of modern English literature from Milton to the beginning of the Romantic movement in the eighteenth century. The development of Classicism in English poetry of the seventeenth and eighteenth centuries. This course is arranged specially for Sophomores who intend to elect English literature. First half-year.

17. THE ROMANTIC MOVEMENT OF THE EIGHTEENTH CENTURY. A history of English poetry from about 1760 to 1830. Select readings from the poetry of Burns, Wordsworth, Coleridge, Scott, Byron, Keats, Shelley and other contemporaries. Several papers required. Second half-year.

18. AMERICAN LITERATURE. The historical development of English literature in America from its beginning to the present day. Lec-

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tures, papers and extensive readings from the principal writers. Open to Juniors and Seniors. Second half-year. [Not given 1905-1906.]

19. THE ENGLISH NOVEL. The history of the rise and growth of the English Novel from its beginning to the nineteenth century. Lectures, select readings and papers. Text-book: Cross' Development of the English Novel. First half-year.

20. ENGLISH POETRY FROM 1830 TO 1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, and other poets of the period. A large amount of reading and frequent papers are required on topics suggested by the course. Open to Juniors and Seniors. First half-year. [Not given 1905-1906.]

21. ENGLISH PROSE FROM 1830 TO 1880. Carlyle, Ruskin, Matthew Arnold, Newman, Thackeray, George Eliot, and other prose writers of the period. The course is a continuation of 20, but the two may be elected separately. Open to Seniors and Juniors. Second half-year. [Not given 1905-1906.]

GEOLOGY AND MINERALOGY

PROFESSOR CUSHING.

1. MINERALOGY. Crystallography and descriptive Mineralogy. Two hours of recitation and lectures, and one laboratory exercise of three hours. First half-year.

2. MINERALOGY. Determinative Mineralogy and blow-pipe analysis. Three laboratory exercises of three hours each. Physical crystallography may be substituted for the blow-pipe work. Second half-year.

3. GEOLOGY. Dynamical Geology. Three hours a week. First half-year.

4. GEOLOGY. Structural and Historical Geology. Lectures and field work in vicinity of Cleveland. Open only to those who have had course 3 or its equivalent. Second half-year.

5. PHYSIOGRAPHY. The cause and manner of the development of topographic forms. Second half-year.

A Laboratory fee of $1.00 is charged for courses 1 and 2, and 50 cents for course 4.

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GERMAN

PROFESSOR DEERING

ASSISTANT PROFESSOR MEYER, 3, 5a.

DR. ZORN, 5b.

1, 2. GERMAN GRAMMAR AND READER. Easy modern texts. In this and the following courses German is spoken as much as possible in the class-room, but such conversation is regarded as a means, not as an end. Throughout the year.

3, 4. GRAMMAR CONTINUED—PROSE COMPOSITION. Recent German prose and the simpler plays of Lessing, Goethe and Schiller. In 1905-1906 the first text will be Storm's In St. Jürgen. Throughout the year.

5, 6. ADVANCED GRAMMAR—PROSE COMPOSITION. Rapid reading of representative modern authors and, in the second half-year, of classic German, with especial attention to Schiller. Practice in reading at sight. The first text for 1905-1906 will be Wildenbruch's Das Edle Blut. Throughout the year.

7. GOETHE. His life and works and times, with selected readings from his lyrics, prose and dramas. An outline of the development of German literature during the classical period will be studied. First half-year.

8. NINETEENTH CENTURY AUTHORS. Outline history of German literature since Goethe's death, with especial reference to its prose development. Readings from the best modern novelists, essayists, historians, and dramatists. Practice in writing German. Second half-year.

9. FAUST. Lectures on the development of the Faust legend, with parallel reading of the most important Faust literature; Goethe's Faust. First half-year.

10. LESSING AND THE CLASSIC GERMAN DRAMA. Early eighteenth century drama, Lessing's reforms and influence (lectures); selected dramas of Goethe, Schiller and other contemporaries, with parallel readings. First half-year.

12, 13. MIDDLE HIGH GERMAN. Paul's Mittelhochdeutsche Grammatik; Selections from the Nibelungenlied, from Hartmann, Walther, and Wolfram. Throughout the year.

14. HEINE. Lectures on the life and times of Heine, with readings from his most important works. Especial attention will be given to his contemporaries, as well as to the social and political aspects of the time. Second half-year.

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16. ADVANCED COMPOSITION. Studies in German style. Original German essays on subjects assigned. Lectures on the history of the German language. Recommended to those who intend to teach German.

17. CONTEMPORARY GERMAN LITERATURE. From the Franco-Prussian War to the present time. The new spirit of German literature; reading of representative authors.

18. OLD GERMANIC MYTHS AND LEGENDS. Outline of Germanic Mythology. Study of the most important mediæval saga cycles. Lectures and papers.

19. NINETEENTH CENTURY LITERATURE. Lectures, papers, reports; assigned reading of important fiction, poetry, drama, etc.

20. GREAT MASTERPIECES. Reading and discussion of the most important single works in German literature, beginning with the Nibelungenlied. Lectures and papers.

21. DEUTSCHE KULTURGESCHICHTE. Outline study of old German life, culture, customs, and institutions. Lectures and papers.

Courses 9-21 are open only to students who have taken courses 7 and 8, or their equivalent. Not more than two of these courses will be given in any half-year.

GREEK

PROFESSOR FOWLER
ASSOCIATE PROFESSOR BILL

A. ELEMENTARY GREEK. White's First Greek Book. The essentials of the grammar. Simple exercises in composition. The reading of selections from Greek prose. Throughout the year.

1. HOMER. The Odyssey. Two books will be read consecutively and the remainder studied in representative selection and in English translation, with a view to a literary acquaintance with the entire poem. Considerable attention will be given to developing facility in translating at sight. Second half-year.

2. ATTIC ORATORS. Rhetoric and law practice in Athens. History of Greece. Attic legal antiquities. Greek Prose Composition. First half-year.

3. THE DRAMA. Two tragedies in the original; others in English translation. A study of metres and scenic antiquities. First half-year.

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4. Plato's Apology, Crito, and selections from other works. A connected survey of the history of Greek Literature. Second half-year.

5. COMEDY. A play of Aristophanes. Selections from Lucian. First half-year.

6. HISTORY. Seminary work in Herodotus, Thucydides, Xenophon, and other sources of Greek history. Second half-year.

7. IDYLLIC POETRY. Theocritus. A comparative study of Virgil's Eclogues. First half-year.

8. PHILOSOPHY. Second half-year.

9. LYRIC POETRY. First half-year.

10. Demosthenes, On the Crown; Aeschines. Second half-year.

11. DRAMA. The development of Attic drama as exhibited in the extant plays and fragments. First half-year.

12. GREEK PROSE COMPOSITION. An advanced course, the special features of which will be determined by the acquirements and needs of the class. Second half-year.

Courses 5-12 are open only to students who have taken courses 3 and 4, or their equivalent. Not more than two of these courses will be given in any half-year.

HISTORY

PROFESSOR BOURNE
ASSOCIATE PROFESSOR SEVERANCE, 13-16.
DR. ROBERTSON, 1, 5, 6, 9.
DR. BENTON, 3, 4.

1. HISTORY OF THE MIDDLE AGES. A survey of the history of Europe from the barbarian invasions to the fourteenth century, including a study of the Germans and their migrations, the Church, Mohammedanism, the mediæval empires, feudal society, and the crusades. Each half-year.

2. HISTORY OF FRANCE, from the end of the Middle Ages to the death of Louis XV., with special reference to the periods of the Renaissance, the Reformation, and the growth of the Bourbon monarchy. Second half-year.

3. HISTORY OF ENGLAND, from the end of the Middle Ages. The development of English institutions, and the rise of England to the position of a great state. First half-year.

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3a. ENGLAND SINCE 1688. The rise of political parties, development of party government, social and political reform movements of the eighteenth and nineteenth centuries, studies in the writings of Chatham, Burke, Paine, Canning, Bentham, Russell, and O'Connell. Second half-year.

4. HISTORY OF GERMANY, 1494-1786. The Renaissance, the Reformation, the Thirty Years' War, the Rise of Prussia, Frederick the Great. Second half-year. [Not given in 1904-1905.]

5. AMERICAN COLONIZATION. The discovery of the New World. The Spanish, English, and French colonization in America, the expansion of the thirteen colonies, and their development towards independence and union. First half-year.

6. HISTORY OF THE UNITED STATES. The adoption and growth of the constitution; the development of foreign policy, slavery and expansion, the Civil War and Reconstruction. Second half-year.

7. FRENCH REVOLUTION, 1789-1795, with introductory studies of the Old Régime, emphasizing the permanent results of the Revolution in the political and social system of France. First half-year.

8a. THE NAPOLEONIC ERA, 1796-1815, a continuation of 7 and introductory to the history of Europe during the nineteenth century. Second half-year.

8b. EUROPE AFTER 1815, the reorganization of Germany, the union of Italy, the development of France, the industrial revolution on the Continent. First half-year, 1905-1906.

9. AMERICAN POLITICAL INSTITUTIONS, the central and local governments of the United States and its dependencies, with special attention to the system of party government and to present political problems, and with a consideration of the governments of Canada and the leading Latin-American States. Second half-year. [First half-year, 1905-1906.]

10. EUROPEAN COLONIZATION, the history of geographical discovery and the spread of European civilization, especially since the Renaissance. First half-year. [Not given in 1905-1906.]

In courses 3-10 the work will include wide reading from the literature of the subject, as well as some study of official records and of contemporary writers.

11. EPOCHS OF HISTORY. The object is the more careful study of a particular epoch, from the sources and from other writers; for 1904-1905 the subject is the Puritan Revolution with special refer-

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ence to the career of Cromwell; for 1905-1906 the subject will be the English Reformation. First half-year.

12. History and Historical Research. This includes a sketch of the development of the scope of history as a literature, readings from the masterpieces of historical writing, a study of the elements of historical criticism, and a study of the problems of teaching history. Second half-year.

Course 11 is open each year to Seniors, who have had, in addition to 1, two other courses selected from 2 to 10. Course 12 is open to Seniors.

13. Life in the Middle Ages. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from Mediæval Manuscripts. Second half-year.

14. The Beliefs and Superstitions of the Middle Ages. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. First half-year, 1905-1906.

15. Special Topics in Mediaeval History. This course will be conducted according to the principles of the seminary method, and aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1905-06 will be "Studies in the Life of Pope Adrian IV."

16. The Reformation. A general survey of the period, introducing the student to the wider literature of the subject. Special attention will be paid to the formative influence which shaped the views of the Reformers. First half-year.

For courses in History of Art, see Art.

LATIN

PROFESSOR PERKINS

1. Livy, Books XXI, XXII; translation at sight and at hearing; the writing of Latin. Collateral reading in Roman History. First half-year.

2. Cicero de Senectute; Plautus (one play); Horace, Satires. Translation at sight and at hearing; the writing of Latin. Second half-year.

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Only four of the following elective courses will be given in any half-year.

3. Odes and Epodes of Horace. First half-year.

4. Cicero's Letters. First half-year.

5. Letters of Pliny the Younger. First half-year.

6. Tacitus and Suetonius. Tacitus, Agricola; Annales (Books 1-2, entire; Books 3 and 4, selections). Suetonius, selections. First half-year.

7. History of Latin Literature (Poetry). Lectures, with reading of typical selections, and direction of the student's private reading, one hour a week. Advanced courses in Latin writing, two hours a week. First half-year.

8. Lucretius. Second half-year.

9. Catullus. Selections from Tibullus, Propertius and Ovid's Tristia. Second half-year.

10. The Epistles of Horace. The Ars Poetica. Wilkins' Primer of Roman Literature. Second half-year.

11. Roman Comedy. Terence and Plautus. Second half-year.

12. Juvenal and Martial. Second half-year.

13. Latin Rhetoric. Quintilian, Book x; Cicero, De Oratore, Selections. Second half-year.

14. Roman Oratory. Tacitus, Dialogus de Oratoribus, with selections from Cicero. Second half-year.

15. Teachers' Training Course. This course is recommended only for students who have had two years of elective work in Latin. The aim of the course is to give prospective teachers assurance in their work. The course includes lectures on problems connected with the teaching of Latin in secondary schools; practical exercises in the study of the Grammar and the authors read in secondary schools. Second half-year.

16. Selections from Cicero, De Officiis, and the Tusculan Disputations. Second half-year.

17. Seneca. Selections from (*a*) Prose writings. (*b*) Tragedies. Second half-year.

18. History of Latin Literature. (Prose.) Lectures, with direction of the student's private reading, one hour a week. Advanced courses in Latin writing two hours a week. Second half-year.

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MATHEMATICS

PROFESSOR PALMIÉ

1. TRIGONOMETRY. Jones's Drill Book in Trigonometry. First half-year.

2. ALGEBRA. Hall and Knight's Text-book. Second half-year.

3. PLANE AND SOLID GEOMETRY. Exercises to be solved by the students; Chauvenet's Elementary Geometry. Second half-year.

5. ANALYTICAL GEOMETRY. Ashton's Analytical Geometry. First half-year.

6. DIFFERENTIAL CALCULUS. Osborne's Differential Calculus. Second half-year.

7. INTEGRAL CALCULUS. Osborne's Calculus. First half-year.

8. DIFFERENTIAL CALCULUS (advanced course). Harnack's Introduction to the Calculus.

9. ANALYTICAL GEOMETRY (advanced course). Salmon's Conic Sections. First half-year.

10. THEORY OF FUNCTIONS, of a complex variable. Introductory course.

11. THE THEORY OF EQUATIONS. Burnside and Panton's Theory of Equations. First half-year.

12. PROJECTIVE GEOMETRY. Second half-year.

13. THEORY OF SUBSTITUTION GROUPS, and its application to algebraic equations.

14. THEORY OF NUMBERS. Elementary course.

Only three elective courses will be offered in any half-year.

MUSIC

MR. CLEMENS

1. HISTORY OF MUSIC. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical development and relations of the different periods may be more clearly understood. First half-year.

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2. A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and Bach. Substantially the same methods will be followed as in the work of the preceding course. Second half-year.

Those desiring to elect the course in the second term only must possess an adequate knowledge of this subject.

3, 4. HARMONY AND COUNTERPOINT. Throughout the year.

PHILOSOPHY, PSYCHOLOGY AND EDUCATION

PROFESSOR AIKINS [Absent for the year]

DR. ADAMS

ASSISTANT PROFESSOR MARVIN

1. LOGIC. The principles of logic, with practice in definition and the analysis of arguments. Second half-year.

2. ELEMENTARY PSYCHOLOGY. An outline of the subject, mainly from the physiological and pedagogical standpoints. This course is introductory to all the other work in the department, except logic. It is open to Sophomores. First half-year.

3. ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

4. INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion, what knowledge is, and what we can hope to know, idealism, realism, and scepticism; the relation of knowledge to faith.

5. HISTORY OF PHILOSOPHY. Some of the greatest thinkers, and how they looked at life and the world. The same philosophers will not usually be studied in two successive years. Second half-year.

6. ADVANCED COURSE IN PHILOSOPHY. A critical study of some one or two philosophers or of some group of philosophical problems. First half-year.

7. HISTORY AND PRINCIPLES OF EDUCATION. An outline of the history of educational theories and practices, and a study of the meaning and aim of education and the various problems of education itself, such as those of curriculum and method. The course will include a large amount of outside reading. Second half-year.

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8. PSYCHOLOGY IN EDUCATION. The course is intended to cover about the following ground. Animals and children; how to study them and what we learn from them. Individual differences; the mental life and education of the blind, the deaf and other defectives. Laws of mental and physical growth. Rhythm, fatigue, and other general relations of mind and body. The training and the breakdown of various mental faculties. Special educational devices and their psychological basis. First half-year.

10. ADVANCED PSYCHOLOGY. Second half-year.

PHYSICS

PROFESSOR WHITMAN

MR. MILLS

1A. General contents and text-book as in course 1. For Freshmen offering Science and History at entrance. The work is arranged to utilize as fully as possible the preparatory course in Physics. First half-year. When advisable this course may be postponed until Sophomore year.

1. MECHANICS, SOUND, HEAT. Hastings and Beach, General Physics, with lectures and laboratory work. First half-year.

2. LIGHT, ELECTRICITY AND MAGNETISM. Continuation of course 1. Second half-year.

3. PHYSICAL OPTICS. Glazebrook's Physical Optics or Preston's Theory of Light, with lectures and laboratory work. First half-year.

4. THEORY OF HEAT. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Second half-year. Alternating with 8.

5. ELECTRICITY AND MAGNETISM. A review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. First half-year.

6. Continuation of course 5. Second half-year.

7. MECHANICAL DRAWING. A course involving the principles of Descriptive Geometry and their application to mechanical drawing, the preparation of working drawings, elementary curve-tracing, etc. Second half-year.

8. MECHANICS. The Elements of Applied Mechanics. Textbook: Wright's Elements of Mechanics. Second half-year. Alternating with 4.

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9. DESCRIPTIVE PHYSICS. This course is intended for those who wish to obtain a general acquaintance with the more important physical phenomena. It is given mainly by lectures, but includes references to text-books, and a few exercises in the laboratory. First half-year.

10. PHYSICAL MANIPULATION. Instruction is given in the elements of the ordinary laboratory arts, as glass-blowing and soldering, in the use of the dividing engine and other general instruments, in the construction of simple pieces of apparatus. One exercise weekly. Second half-year.

11. PHYSICAL EXPERIMENT. Special topics in Physics are assigned to each student for detailed study. The aim of the course is to introduce somewhat more advanced experimental methods than are usually possible in the general courses. Each student is expected to spend from six to nine hours weekly in the laboratory.

13. PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and current physical literature by members of the conference. One meeting weekly.

Courses 10 and 11 are intended primarily for those intending to teach physical science, or for students who expect to specialize in Physics.

Course 13 or the weekly exercise under course 10 may be combined with course 11 to count for one three-hour course.

The laboratory fee for course 9 is $2.00; for each of the other laboratory courses, $4.00.

PHYSIOLOGY AND HYGIENE

DR. TOWSLEE

1. The instruction consists of weekly lectures illustrated with charts, manikin and skeleton. These lectures embrace the fundamental principles that underlie the promotion of health; the structure and functions of all the organs of the body; the proper exercise and rest of the muscles; the conversion of food into tissues; the importance of always keeping the body supplied with pure blood; ventilation, food and clothing. First half-year.

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ROMANCE LANGUAGES

MR. BORGERHOFF

FRENCH

1, 2. The essentials of the French grammar with a careful drill in the regular and irregular verbs. Composition and conversation. Reading of easy prose. Throughout the year.

3, 4. A fuller study of the grammar and syntax. Reading of modern novels, short stories and plays. Practice in conversation. Composition based upon texts. French will be spoken prevailingly in this course. Throughout the year.

5a, 6a. Practice in speaking and writing French. This course will be practical. It will consist of original composition, reports in French of short stories, plays, magazine and newspaper articles, free reproduction of good models of style, all of which papers will be criticized orally or in writing. Fragments of speeches or of plays will be committed to memory. French will be spoken exclusively. Open to students who have taken at least courses 1, 2, 3, 4, after consultation with the instructor. Throughout the year.

Of the following courses not more than two will be given in any half-year.

5b. THE CLASSIC DRAMA. Lectures on the rise and development of the French drama. Interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year. 1904-1905.

6b. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The Decadence of Classic Drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Reading of Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year. 1904-1905.

7. MOLIERE. Lectures on the life and times of Molière. Interpretation of the greater comedies.

8. FRENCH LYRIC AND DIDACTIC POETRY. Boileau, La Fontaine, Chénier, Victor Hugo, de Musset, Lamartine. Collateral reading. Essays.

9, 10. MODERN NOVELISTS. Lectures and recitations. The Romantic School. First half-year. The Realistic School. Second half-year.

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11. SEVENTEENTH CENTURY PROSE CLASSICS. Lectures on French culture, society and prose literature of the seventeenth century. The great preachers and moralists. Jansenism and Port Royal. The French Academy and the Salons. Memoirs and Letter-Writers. Readings from Descartes, Pascal, La Rochefoucauld, La Bruyère, Bossuet, Bourdaloue, Mme. de Sévigné, Mme. de La Fayette, Fénelon, Saint-Simon. Themes and collateral reading. First half-year.

12. EIGHTEENTH CENTURY PROSE CLASSICS. Lectures on the society and culture of the eighteenth century. Break-up of the classic ideals. Growth of the revolutionary spirit. First movements toward romanticism. Voltaire and the Encyclopedists. Rousseau, Diderot, Montesquieu, Le Sage, Bernardin de Saint Pierre. Themes and collateral reading. Second half-year.

13. THE SIXTEENTH CENTURY. The Reformation and the Renaissance. Rabelais, Calvin, Marot, Ronsard and the Pleiade, Montaigne. Readings from Darmesteter and Hatzfield's Le Seizième Siècle en France. Study of the language and syntax of the period. Themes and collateral reading. First half-year.

14. HISTORY OF OLD FRENCH LITERATURE, with representative readings from Bartsch's Chrestomathie, La Chanson de Roland, and Christian of Troyes. The Mediæval Drama. Second half-year.

15, 16. FRENCH HISTORICAL GRAMMAR. Phonetics, morphology, syntax. Illustrative reading from old French texts. Throughout the year.

17, 18. Outline history of the French Literature. Collateral readings and reports. 1905-1906.

ITALIAN

1, 2. GRANDGENT'S ITALIAN GRAMMAR. Reading of modern Italian. Composition. 1904-1905. Throughout the year.

SPANISH

1. ELEMENTARY COURSE. Giese, A First Spanish Book and Reader. First half-year.

2. READING of modern texts. 1905-1906. Second half-year.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the tenth day of June (or after the ninth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day. On the Day of Prayer for colleges, religious exercises are held in the chapel. The exercises of the first half-year begin with prayers in the chapel at ten o'clock.

DEFICIENT WORK

1. All entrance conditions are to be removed before a student is allowed to begin the work of Sophomore year.

2. A student who fails in the work of an elective course is to remove this deficiency, or complete another course as extra work.

3. All conditions incurred at examinations are to be removed at the next examinations held for the same courses; except that all conditions incurred and all work omitted in Freshman year are to be made up before a student is allowed to begin the work of Junior year; and that all conditions incurred, and all work omitted in Sophomore year are to be made up before a student is allowed to begin the work of

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Senior year; and that all other conditions, and all other omitted work, are to be made up before a student is allowed to begin the work of the second term of Senior year.

Students are graded in their studies by letters which have value, as follows:

E (excellent)
G (good)
F (fair)
P (pass)
D (deficient)

GRADUATION

The degree of BACHELOR OF ARTS is conferred on students who have completed the amount of work outlined on pages 98–99.

LIBRARIES

Hatch Library on the Adelbert College campus, five minutes' walk from the College for Women, is open on equal terms to all members of the University. It is furnished with well-lighted reading rooms, contains about fifty thousand bound volumes and ten thousand pamphlets, and is especially rich in German, French, historical and philosophical literature. The list of periodicals is very complete, and the library contains many sets of valuable publications in classical philology and archæology, Germanic and general philology, history, anthropology and science, besides sets of the oldest and best literary magazines. These sets are kept up to date and their number is increased by constant additions. Students have access to all the books on the shelves. The library is open every day from eight to half-past five o'clock.

For the special convenience of students in the College for Women there is in Clark Hall itself a carefully selected and

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growing library containing encyclopædias and other books of reference, magazines, duplicates of books in common use, and a considerable number of other works.

A special library in Biblical literature is placed in The Florence Harkness Memorial. This collection is being constantly enlarged by means of funds from the Florence Harkness Foundation.

In addition to these, students may freely use the principal libraries of Cleveland. The Free Public Library contains 235,000 volumes, and includes valuable collections for the study of Shakespeare, modern literature, history, art, and archæology. On request of members of the Faculty, books from the Public Library are delivered at the Hatch Library building, and may be retained for an extended period. This arrangement makes its collections readily accessible to students at all times.

Through the courtesy of its directors, students also have free tickets to the Case Library. This collection, containing 55,000 volumes, is well supplied with periodicals and general literature, and offers excellent facilities for study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany.

LABORATORIES AND MUSEUMS

Biology. The laboratory is designed, first, for the study of the biological sciences, especially zoology and botany; second, for containing a biological museum, in the sense of a reference or teaching collection of objects drawn from the living world to illustrate types of structure, variations, life histories and kindred subjects; and third, for the maintenance of vivaria, or rooms in which certain animals and plants, both aquatic, and terrestrial, may be kept alive while their habits are studied, and, when possible, their breeding and development watched.

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CHEMISTRY. The department of chemistry is well supplied with apparatus for use in illustrative lectures. The chemical laboratory is equipped with sufficient apparatus so that each student may become familiar with the facts of the science through experiments made by herself under the guidance of the instructor. Such experimental courses are offered in the chemistry of the non-metallic and metallic elements, in organic, analytical, and physiological chemistry.

GEOLOGY AND MINERALOGY. The collections at the service of the department are well chosen, and are rapidly growing. They comprise sets of crystal models and crystals, crystal sections for optical study, and rock sections in great number, besides mineralogical, lithological, and palæontological collections. The library is good and constantly being increased. The vicinity of Cleveland is interesting geologically, especially in regard to its glacial deposits and its palæontology. It furnishes abundance of material for special investigation.

PHYSICS AND ASTRONOMY. The Physical laboratory is a three-story building of sound and substantial construction, containing large lecture and laboratory rooms for the elementary courses, and a considerable number of smaller apartments for more advanced work. Especial attention has been paid to heating, lighting, and ventilation. The department is equipped with a large variety of apparatus bearing on the courses at present offered—all of which include work in the laboratory—and additional apparatus is continually being obtained.

Upon the physical laboratory has been erected an equatorial telescope, covered by a revolving dome. The telescope, of ten and one-half inches aperture and fifteen feet focal length, is equipped with all the necessary accessories for observation and measurement. This valuable addition to the scientific apparatus of the University is the gift of Messrs. W. R. Warner and Ambrose Swasey, of Cleveland.

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GYMNASIUM

The Gymnasium in Clark Hall is well equipped with all the necessary apparatus, and is under the direction of a graduate of Dr. Sargent's School of Physical Training. Upon entering college each student is examined by a physician and the Director of the gymnasium, and information obtained concerning habits and general health. From this data and the measurements made by the Director, exercise is prescribed to meet the special need of each individual. Exercise in the gymnasium is required three hours a week of Freshmen and Sophomores, and is under the personal supervision of the Director. Students are advised to consult the Director before procuring their gymnasium suits. When the weather permits, work in the gymnasium is replaced by tennis, basket ball, golf, and other games out of doors. Special instruction is given to those who wish it in fencing. Wade Park pond furnishes the students with facilities for rowing and skating.

Two prizes, one of fifteen, and the other of ten dollars, are awarded annually by the President to those Freshmen who, through their gymnastic work, make the greatest progress toward symmetrical development.

To receive these prizes a student must remain in college throughout the Sophomore year.

HALLS OF RESIDENCE

The halls of residence are Guilford House and Haydn Hall. They accommodate seventy-two students. Each is well warmed, lighted and ventilated. The rooms are fully furnished. Linen for beds and tables is provided, but each student pays fifty cents a month to meet the cost of its laundering. The charge for other plain laundry work is fifty cents a dozen. The table of each hall is excellent and

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well served. The aim of the housekeeping is to make the surroundings as home-like as possible.

The apartments in Guilford House are arranged, for the most part, in suites consisting of a study and two bed-rooms. The rooms in Haydn Hall used for dormitory purposes are usually single rooms designed for one student, although a few of a specially large size are designed for two. The price of board and room for each student ranges from $225 to $300 for the year. Any student entering within the first five weeks is charged from the beginning of the year. If an applicant have had a special room retained for her, and if she fail to occupy it, she is charged for one-half of a term. Claims for deductions arising from necessary withdrawal are to be adjusted with the Officers. The date of withdrawal of a student is reckoned from the time when the President is informed of the fact by the parent or guardian. To students remaining in either hall during the Christmas or Easter recess a small charge is made. It is requested that students make separate payments for their tuition and board.

In addition to its use as a dormitory, Haydn Hall contains various rooms for general purposes of the students. The first floor is devoted especially to students who reside at their homes in Cleveland. This floor contains a study room, a lunch room, and a central hall, available for social purposes. On the second floor are rooms set apart for the four college classes and also for the alumnæ. At the time of making application for rooms in either hall of residence, students are requested to make a deposit of $25.00, which will be counted as an advance payment.

The life in both Guilford House and Haydn Hall is founded upon the desire to give to each student such supervision as earnest and able young women absent from home should receive, and yet to subject no one to unnecessary or

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annoying restraint. The endeavor of all officers is to make a home in every way suitable for college women.

Correspondence regarding the engagement of rooms may be addressed to the President.

THE FLORENCE HARKNESS MEMORIAL

The chapel seats about six hundred. Under the same roof are a large lecture room, a library and study for the Biblical work of the college, the endowment of which bears the same name as the chapel.

The religious life of the college, the chapel service, the Young Women's Christian Association and Missionary societies as well as the Biblical instruction therefore centre in this building, which it is believed is as complete as possible and one of the best for its purpose.

RELIGIOUS WORSHIP

The principles and influences of the College are distinctively Christian, but the College has no formal connection with any particular denomination. A short service is held each morning in the Chapel at a quarter past nine o'clock. All students are required to be present at this service and on Sunday are expected to attend the services at the churches of their choice. It is desired that as far as possible each student should enter into the life of her church. On Sunday, Vesper Services are held in the Florence Harkness Memorial throughout the college year. The students carry on a Young Women's Christian Association, the aims of which are to maintain in the College a healthy, progressive Christian spirit and to keep the students in touch with the religious and charitable work of the world.

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STUDENT ORGANIZATIONS

The students publish a monthly journal called *The College Folio*. This periodical gives them an opportunity, not merely to record or comment upon the events of the College life, but also to give expression to their literary interests. The College Annual, *Varia Historia*, is published by the Junior class.

The student organizations include a Young Women's Christian Association, a Glee Club, a Mandolin Club, a Dramatic Association, an Athletic Association, and several literary and scientific societies.

The conduct of the student body as a whole is largely entrusted to the Students' Association.

CORRESPONDENCE

Letters respecting the admission or dismission of students, requests for catalogues or general information should be addressed to the President of the University or to the Registrar of the College for Women.

EXPENSES AND BENEFICIARY AID

The charge for tuition and incidentals for each student is $85 per year. In addition to this each student pays a matriculation fee of $5 on entering College. Beginning with Commencement 1906, a graduation fee will be charged. All checks should be made payable to the Bursar. One-half of the charge for tuition is to be paid at the beginning of each half-year; no part will be refunded if the student retain her place in class. In laboratory courses fees are charged to meet the cost of perishable material. The amount in each case is indicated with the description of the courses.

There are certain annual scholarships which are awarded to students of high rank and slender means, by which they are relieved of a portion of the tuition fee of the College.

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Conference either in person or by letter with the President is invited.

Scholarships are granted annually upon application, but may be withdrawn for cause at the end of one half-year. The granting and withdrawing of scholarships, for students who have attended the College as long as one half-year, is in the hands of the executive committee, who shall report to the Faculty at the beginning of each year the names of those students to whom scholarships are to be granted, and each half-year the names of those from whom scholarships have been withdrawn.

From the Loan Fund certain grants are made to worthy students. The Alumnæ Association has also established a Loan Fund to be used for similar purposes. Students receiving these benefits are expected to maintain their standing in scholarship and to finish their course here. If dismissal to another college is sought, the College dues, including the amounts given or loaned, must first be paid.

The opportunities offered by the College for the higher education of young women of limited means are presented to the attention of those who desire to promote such work by the establishment of scholarships for worthy students.

THE HOLDEN PRIZE

Mr. L. E. Holden, of Cleveland, offers a prize of twenty-five dollars for the best essay written by a Senior or Junior on some subject selected by the department of English. Essays in competition for this prize must be submitted not later than May 16, 1905. The subject for the present academic year is "A Study of Shakespeare's Plays in their Seventeenth and Eighteenth Century Adaptations."

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PUBLICATION FUND

The Francis G. Butler Publication Fund has been established, the income of which is to be devoted to the publication of original researches in the field of American history by professors or students of this College as well as of Adelbert College and the Graduate School.

THE GRADUATE SCHOOL

In the Graduate Department of the University opportunity is given graduates of this and other colleges to pursue courses of study leading to the degrees of A. M. and Ph. D.

For the catalogue of Graduate Courses, address Dean of the Graduate School.

THE LIBRARY SCHOOL

A School for the Training of Librarians has been established in the University by Andrew Carnegie. Its first session opened with the academic year of 1904-05. Information will be given by Wm. H. Brett, Dean.

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DEPARTMENT OF GRADUATE INSTRUCTION

GENERAL STATEMENT

THE privileges of the Graduate Department are open, without distinction of sex, to graduates of this and other universities and colleges of good standing who present satisfactory evidence of character and scholarship. In exceptional cases, by special permission, other persons of suitable age and attainments may also be received as students.

The work of the department is under the general supervision of an Executive Committee, consisting, this year, of Professor R. W. Deering, H. N. Fowler, and F. P. Whitman. Persons desiring to do graduate work are invited to confer or correspond with any member of this committee.

Applications for admission as graduate students may be received at any time, but should be presented, if possible, at least a month before the beginning of the academic year. This is advisable because books and apparatus for special work must often be imported from Europe. All such applications should be made to the Dean of the Graduate Faculty, and should be accompanied, except in the case of graduates of this university, by diplomas, or such other official certificates as will satisfy the Executive Committee as to the student's character and attainments. Applicants admitted as students must then register with the Dean and file statements of the courses of study they intend to pursue. indicating also the degrees, if any, for which they wish to be candidates. Eligible students who do not wish to apply for higher degrees may be admitted and registered as resident graduates.

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FACULTY AND INSTRUCTORS

Arranged, with the exception of the President and Dean, in the order of college graduation.

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

ROBERT WALLER DEERING, PH. D., *Dean,* The Euclid, 2662 Euclid Av.
Professor of Germanic Languages and Literature.

EDWARD WILLIAMS MORLEY, M. D., PH. D., LL. D., The Everlyne, 63 Ingleside Av.
Professor of Natural History and Chemistry.

CHARLES JOSIAH SMITH, A. M., 35 Adelbert St.
Professor of Mathematics.

FRANK PERKINS WHITMAN, A. M., D. Sc., 79 Adelbert St.
Professor of Physics and Astronomy.

EMMA MAUD PERKINS, A. B., 121 Adelbert St.
Professor of Latin.

CHARLES HARRIS, PH. D., 77 Cutler St.
Professor of German.

MATTOON MONROE CURTIS, PH. D., 43 Adelbert St.
Professor of Philosophy.

HAROLD NORTH FOWLER, PH. D., The Brightman, 33 Cornell St.
Professor of Greek.

FRANCIS HOBART HERRICK, PH. D., D. Sc., 43 Cutler St.
Professor of Biology.

OLIVER FARRAR EMERSON, PH. D., 98 Wadena St., East Cleveland.
Professor of Rhetoric and English Philology.

SAMUEL BALL PLATNER, PH. D., 24 Cornell St.
Professor of Latin and Instructor in Sanskrit.

HENRY ELDRIDGE BOURNE, A. B., B. D., 144 Cornell St.
Professor of History.

HERBERT AUSTIN AIKINS, PH. D., Absent for the year.
Professor of Philosophy.

BENJAMIN PARSONS BOURLAND, PH. D., The Euclid, 2662 Euclid Av.
Professor of Romance Languages.

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ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Associate Professor of Church History and Instructor in Historical Bibliography.

ANNA HELENE PALMIÉ, PH. B., 48 Mayfield St.
Professor of Mathematics.

WILLIAM HENRY HULME, PH. D., 48 Mayfield St.
Professor of English.

HIPPOLYTE GRUENER, PH. D., 43 Knox St.
Associate Professor of Chemistry.

JOHN DICKERMAN, A. B., 1957 Doan St.
Assistant Professor of Mathematics.

OLIN FREEMAN TOWER, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Chemistry.

EDWARD STOCKTON MEYER, PH. D., 94 Glen Park Place.
Assistant Professor of German.

CHARLES EDWIN CLEMENS, 1093 Prospect St.
Instructor in the History and Theory of Music.

WALTER TAYLOR MARVIN, PH. D., The Euclid, 2662 Euclid Av.
Assistant Professor of Philosophy.

ELIZABETH KEMPER ADAMS, PH. D., 46 Knox St.
Instructor in Philosophy.

CARL BYRON JAMES, B. S., South Euclid, O.
Instructor in Biology.

ELBERT JAY BENTON, PH. D.,
The Auburn, 3020 Euclid Av., East Cleveland.
Instructor in History.

HOWELL MERRIMAN HAYDN, A. B., 116 Ridgewood Av.
Associate Professor of Biblical Literature.

JOSEPH LEOPOLD BORGERHOFF, A. M.,
The Auburn, 3020 Euclid Av., East Cleveland.
Instructor in French.

CHARLES CRISWELL ARBUTHNOT, PH. D., 10 Adelbert Hall.
Instructor in Economics.

JOHN MILLS, A. B., 18 Adelbert Hall.
Instructor in Physics.

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STUDENTS

John Clayton Barkley, *Phalanx Station, O.*
1406 Lexington Av.
A. B., Allegheny College, 1902. 1 year. English.

Walter Lewis Bissell, *Cleveland* 728 Republic St.
A. B., Adelbert College, 1903. 1 year. English, History.

Albert Franklin Counts, *Sidney, O.* 22 Adelbert Hall.
Ph. B., Adelbert College, 1904. 1 year. Economics, History.

Albert Ehrgott, *Cleveland* 173 Streator Av.
B. D., University of Rochester, 1895. 1 year. History, Economics, Philosophy.

Blanche Chipman Leggett, *Cleveland* 2662 Euclid Av.
A. B., Smith College, 1893. 1 year. History, French.

Irma Linn, *Cleveland* 151 Cortland St.
B. L., College for Women, Western Reserve University, 1904. 1 year. History, English.

Simon Peiser, *Cleveland*
cor. Woodland and Willson Av.
B. A., University of Cincinnati, 1896. 2 year. Philosophy, Education.

Hermann Rosenwasser, *Cleveland*
cor. Woodland and Willson Av.
Abiturient, Eperjes, Hungary, 1892. 2 year. German, Philosophy, Hebrew.

Ruhamah Georgette Smith, *Euclid, O.* Euclid, O.
A. B., College for Women, Western Reserve University, 1904. 1 year. History, Economics, Education.

Clarence Albert Streich, *Cleveland* 37 Collins Pl.
A. B., Otterbein University, 1893. 2 years. German.

Charles Clarence Williamson, *Cleveland* 10 Adelbert Hall.
A. B., Adelbert College, 1904. 1 year. History, Philosophy, Economics.

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COURSES OF GRADUATE INSTRUCTION

Courses marked with an asterisk (*) are undergraduate elective courses, but are open to graduate students, with the consent of the instructor and the approval of the Faculty. In such cases graduate students are expected to do extra work under the direction of the instructor. Hours for graduate work will be arranged to suit the convenience of instructor and student.

BIBLICAL LANGUAGE AND LITERATURE

ASSOCIATE PROFESSOR HAYDN

1, 2. *HEBREW GRAMMAR AND READING. An Introductory course. Harper's Elements of Hebrew will be used, with the Old Testament text. Throughout the year.

3. NEW TESTAMENT GREEK. Grammar and reading, with especial attention to the development of the New Testament vocabulary First half-year.

4. NEW TESTAMENT EXEGESIS. The critical analysis of selected passages or books. Given in Seminar, if desired. Second half-year.

5. OLD TESTAMENT EXEGESIS. A course similar to 4, open to those who have had 1 and 2, or their equivalent. Second half-year.

BIOLOGY

PROFESSOR HERRICK
MR. JAMES

2. *ZOÖLOGY. Comparative Anatomy of Invertebrates. A comparative study of a few important types of invertebrate animals. One lecture, two laboratory exercises of two hours each. First half-year.

3. *ZOÖLOGY. Comparative Anatomy of Vertebrates. A comparative study of the principal types of vertebrates. One lecture and two laboratory exercises. First half-year.

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5. Zoölogy. Research in Animal Morphology. The assignment of special problems for investigation, with individual instruction and supervision. Laboratory work throughout the year.

6. *Physiology. Elements of the physiology of man and lower animals. Three exercises consisting of lectures, recitations and demonstrations of one hour each. First half-year.

7. *Elements of Vertebrate Embryology. A practical study of the development of birds and mammals. One recitation, two laboratory exercises of two hours each. Second half-year.

9. Animal Behavior. A course for the reading and discussion of the most significant works upon the instinct and intelligence of animals. Second half-year.

10. Phanerogamic Botany. An introduction to the study of the higher—flowering—plants, including lectures, demonstrations, and field excursions. Three exercises weekly. Second half-year.

11. Cryptogamic Botany. An introduction to the study of the lower orders of plant-life, (continuing course 10), including such forms as are of economic or pathogenic importance. One lecture, two laboratory exercises. First half-year.

12. Living Things. A series of lectures on the phenomena of life in their fundamental relations, dealing with form, structure, action, habit, instinct, heredity and evolution. Brief statements of the aims and problems of the science for the benefit of the general student. Weekly, first half-year.

13. Biological Reading Club. A voluntary association of students and instructors for reading and discussing works of general scientific interest. Meetings are held weekly, from December to May, at times most convenient to all.

The laboratory fees for the different courses are: Course 2, 3, 7, or 11, $5.00; course 5, $5.00 for each half-year.

CHEMISTRY

PROFESSOR MORLEY
ASSOCIATE PROFESSOR GRUENER
ASSISTANT PROFESSOR TOWER.

1. *Organic Chemistry. Remsen's Organic Chemistry. Two recitations and one laboratory exercise of three hours, throughout the year.

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2. ORGANIC PREPARATIONS. An equivalent of three laboratory exercises of three hours each, with occasional discussions, for one half-year or the entire year. This course may be taken in conjunction with, or as supplementary to course 1.

3. *INORGANIC PREPARATIONS. This course will deal with the preparation of a number of inorganic compounds, making use of methods inapplicable in the elementary courses. Two laboratory exercises and one recitation. First half-year.

4. *ELEMENTS OF QUANTITATIVE ANALYSIS. Three laboratory exercises of three hours each. Throughout the year.

5. *PHYSIOLOGICAL CHEMISTRY. A course on the chemistry of the animal body, of nutrition, and of the ordinary food materials. Two recitations and one laboratory exercise of three hours. First half-year.

6. *PHYSICAL CHEMISTRY. An elementary course treating principally of the theory of solutions and electro-chemistry. Three times a week with occasional laboratory exercises. Second half-year.

Laboratory fees for the several courses are as follows: Course 1 or 3, $5.00; course 2, $10.00; course 4, $6.00; course 5, $3.00; course 6, $2.00.

ECONOMICS

DR. ARBUTHNOT

2. *ECONOMIC THEORY. An historical and critical study of the principal theories of value and distribution. Second half-year, 1905-6.

3. *MONEY AND BANKING. The theory of money, the monetary history of the United States, and the principal banking systems of the world. First half-year.

4. *PUBLIC FINANCE. A study of public revenues and expenditures, with special attention to the problems of state and local taxation. Second half-year, 1905-6.

5. *ECONOMIC PROBLEMS A brief treatment of socialism is followed by the discussion of labor problems. Second half-year.

6. *MODERN INDUSTRY. This course deals with the social economy of the present. The growth of corporations, the functions of speculation, and the problems of railway transportation are among the subjects discussed. Second half-year.

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7. *History of Political Thought. The development of poltical philosophy, with special reference to the theory of the state. First half-year.

9. *Comparative Politics. A comparison of the political institutions of five modern states, viz., the United States, Great Britain, the German Empire, the French Republic, and Switzerland. First half-year, 1905-6.

11. *Municipal Government. The economic, social, and administrative problems presented by the modern city. A comparative study of American and European experience. Second half-year.

EDUCATION AND TEACHING

PROFESSOR AIKINS (absent for the year)
ASSISTANT PROFESSOR MARVIN

1. History and Principles of Education. A brief historical study of educational theories and practices, followed by a discussion of the history of philosophy and the history of morals; the meaning and aim of education, and the various problems of education itself, such as those of curriculum and method. The course will include a large amount of outside reading. Second half-year.

2. Psychology in Education. The course is intended to cover about the following ground. Animals and children: how to study them and what we learn from them. Individual differences: the mental life and education of the blind, the deaf and other defectives. Laws of mental and physical growth. Rhythm, fatigue, and other general relations of mind and body, the training and the breakdown of various mental faculties. Special educational devices and their psychological basis. Second half-year.

ENGLISH

PROFESSOR EMERSON (1-5)
PROFESSOR HULME (6-11)

1. Rhetorical Theory. An historical and critical study of rhetorical theory with reference to Greek, Roman, mediæval, and English rhetoricians. Lectures and recitations. A course for those who expect to teach English. Throughout the year.

2. Old English. Lectures on historical and descriptive grammar, with readings from Old English prose and poetry. Special attention to the development of the language. First half-year.

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3. MIDDLE ENGLISH. Lectures on Middle English language and literature, with critical reading of selections from prose and poetry. Further development of the language. Second half-year.

4. CYNEWULF AND HIS SCHOOL. The acknowledged poems of Cynewulf will be critically read and examined. This will be followed by a careful reading of the works believed to have been written by Cynewulf, or by those influenced by him. First half-year.

5. THE MIDDLE ENGLISH POETICAL ROMANCE. The sources of the poetical romance of Middle English times and its development on English soil. Lectures and readings. Second half-year.

6. *THE ENGLISH NOVEL. The historical development of the English novel. Lectures and recitations. Manual: Cross's development of the English novel. First half-year. Omitted 1905-6.

7. THE NON-DRAMATIC POETRY OF THE SIXTEENTH AND EARLY SEVENTEENTH CENTURIES. This course will include special study of Spencer and Milton, with lectures, select reading and papers. First half-year. Omitted 1905-6.

8. ENGLISH LITERARY CRITICISM. Lectures on the development of English literary criticism from the sixteenth century to the present time. Selections from the critical essays of Dryden, Addison and Steele, Johnson, Coleridge, Lamb, DeQuincey, Leigh Hunt, Hazlitt, Christopher North, Landor, Carlyle, Macaulay, Matthew Arnold and others. Original papers. First half-year.

9. *ENGLISH POETRY, 1830-1880. Tennyson, Browning, Mrs. Browning, Matthew Arnold, Arthur H. Clough, with some attention to other poets of the period. Lectures, reports, and class-room discussions. A considerable amount of reading will be required, and a much larger amount recommended. First half-year. Omitted 1905-6.

10. *ENGLISH PROSE, 1830-1880. Carlyle, Ruskin, Macaulay, Emerson, Matthew Arnold, George Eliot, Hawthorne, Thackeray, with some attention to other prose writers. The course will be conducted by much the same method as course 9. Second half-year. Omitted 1905-6.

11. *SHAKESPEARE AND THE JACOBEAN DRAMA. All of Shakespeare's plays, and some of the best Jacobean plays will be read, and a course of lectures will be given discussing the development of Shakespeare's art from a historical point of view. Second half-year.

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GERMANIC LANGUAGES

PROFESSOR DEERING (1-6, 16-17)
PROFESSOR HARRIS (8-9)
ASSISTANT PROFESSOR MEYER (10-15)

1. GOTHIC. Introduction to Germanic Philology, subjects, aims, means, methods; Gothic Grammar (Braune); Readings from Wulfila's Bible; Skeireins and other Fragments; Germanic Phonology. First half-year. *Or,*

2. OLD GERMAN LITERATURE. History of the older German literature from the beginnings to the Reformation. Lectures and parallel readings. First half-year, 1905-6.

3. OLD GERMAN LIFE. A study of Old German life, customs, culture, and institutions, using for reference the texts of Schultz, Scherr, Hirth, Freytag, Biedermann, etc. Special reports on assigned topics. Second half-year.

4. OLD HIGH GERMAN. Old High German Grammar and Reader (Braune). Readings from Tatian, Notker, Otfrid, Williram. Special study of Old High German dialects, with illustrative readings. Second half-year, 1905-6.

5. *GERMANIC MYTHOLOGY AND LEGENDS. Study of Germanic Mythologie und Heldensage. Lectures and reports. Second half-year, 1905-6.

6. *FAUST. Lectures on the development of the Faust legend, with parallel readings from the most important Faust literature; critical study of Goethe's Faust. Second half-year.

8. *HISTORY OF GERMAN LITERATURE. Outline history of German literature from the earliest times to the present; development of Lyric, Epic, Drama; illustrative parallel readings. Throughout the year.

9. *MIDDLE HIGH GERMAN. This course gives a reading knowledge of Middle High German through a careful study of the grammar and the reading of selections from various texts, such as the Nibelungenlied, Hartmann, Walther von der Vogelweide, etc. Throughout the year.

10. THE OLDEST GERMANIC POETRY. Rapid reading and comparison of Beowulf, Widsith, the Eddas and Volsunga Saga, the Hildebrandslied and Muspilli. First half-year.

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11. THE GERMANIC RELIGIOUS EPICS. Comparative study of Cædmon, Otfrid, and the Heliand. Second half-year.

12. THE COURT EPIC. Reading of Wolfram's Parzival with lectures on Heinrich von Veldeke, Hartmann von Aue, Wolfram von Eschenbach, and Gottfried von Strassburg. First half-year.

13. THE POPULAR EPIC. Reading of the Nibelungenlied and Gudrun, with lectures on the six saga-cycles (Franconian, Burgundian, Hunnish, Ostrogothic, Lombardic, and Norman-Saxon). Second half-year.

14. GRILLPARZER. Study of Sappho, Des Meeres und der Liebe Wellen, Wehe dem der Lügt, Das Goldene Vliesz (in part), and Die Jüdin von Toledo with lectures on the relation of Grillparzer's art to that of Shakespeare, Lope de Vega, Alfieri, Goethe, and Schiller. Second half-year.

15. THE GERMAN SOCIAL DRAMA OF TODAY. In its relation to that of the French, Belgian, Norse and Russian. Reading of Sudermann and Hauptmann, the younger Dumas and Sardou, Mæterlinck, Björnson and Ibsen, Tolstoi. Second half-year.

16. *NINETEENTH CENTURY LITERATURE. History of German Literature from the death of Goethe to the Franco-Prussian War. First half-year, 1905-6.

17. *CONTEMPORARY LITERATURE. History of German Literature during the last quarter of a century. First half-year.

GREEK

PROFESSOR FOWLER (3-4)
ASSOCIATE PROFESSOR BILL (1-2)

1. *COMEDY. A play of Aristophanes. Selections from Lucian. First half-year.

2. *IDYLLIC POETRY. Theocritus. A comparative study of Vergil's Eclogues. First half-year.

3. *ARCHÆOLOGY. Extracts from the description of Olympia in Pausanias will be read and discussed, with full illustration from the great excavations, and a topical study of architecture and sculpture will be pursued. The object of this course is to acquaint the student with the great monuments of art, and to stimulate the faculty of independent observation and criticism. Second half-year.

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4. *History. Seminary work in Herodotus, Thucydides, Xenophon, the Historicorum Græcorum Fragmenta, and other sources of Greek history. Second half-year.

These courses may be taken as minors only when they are being given to an undergraduate elective class. Special graduate courses adapted to the needs and acquirements of the applicant may be arranged by conference.

HISTORY

PROFESSOR BOURNE (1-3)

DR. BENTON (19-20)

ASSOCIATE PROFESSOR SEVERANCE (12-18)

1. *Modern European History since 1789. The French Revolution as a social and political movement, the Empire, the growth of the national movements in Germany and Italy, industrial and social changes, the development of the democratic spirit, will be the subjects chiefly investigated. Throughout the year.

2. Church and State in France since the French Revolution, with special emphasis upon the struggle for the control of education. First half-year.

3. The Financial and Economic Legislation of France during the Revolution and the Consulate. Second half-year.

19. The Puritan Revolution. The constitutional and social experiments and theories of the Puritans. Study of the Stuart system. The Commonwealth period and the Restoration of monarchy. Chiefly from the primary sources.

20. The Development of Parliamentary Government in England since the Revolution of 1688. The origin and history of political parties. The rise of Radicalism. Cabinet government.

11. *The Reformation. A general survey of the period, introducing the student to the wider literature of the subject. Special attention will be paid to the formative influences that shaped the doctrinal views of the reformers. First half-year.

12. *Church History of the First Six Centuries. Especial attention will be devoted to the Patristic Literature and to the Doctrinal Controversies that rent the Church. First half-year.

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13. *Church History of the Middle Ages. The external history of the Papacy will be traced, and emphasis will be laid on the organization and administration of the Church and of the monastic bodies and on the scholastic philosophy.

14. *Modern Church History. The period of Confessional Orthodoxy, Methodism, the Missionary Movement, and the Vatican Council are amongst the topics discussed.

15. *Life in the Middle Ages. This course will deal with the dwellings, costumes, food, occupations and habits of the men and women of that epoch. It will be illustrated by means of photographs and prints taken from mediæal manuscripts. First half-year, 1905-6.

16. *The Beliefs and Superstitions of the Middle Ages. Especial attention will be paid to magic and sorcery, and to their outcome in the witchcraft delusion. Portents, lucky and unlucky days, precious stones, palmistry, etc., will also be touched on. Second half-year.

17. Special Topics in Mediæval History. This course will be conducted according to the principles of the seminary method, and aims to teach the student how to investigate a topic in Mediæval History from the sources. The subject for 1905-6 will be "Studies in the Life of Pope Adrian IV." First half-year, 1905-6.

18. *Historical and General Bibliography. The object of this course will be to familiarize the students with the best guides, indices, repertoria and helps to the study of history. An examinaiton will be made of books mentioned. The course is adapted to the needs, not only of those specializing in history, but also of those looking forward to library work. First half-year, 1905-6.

LATIN

PROFESSOR PLATNER (1)
PROFESSOR PERKINS (2-6)

1. The Elective Courses in Latin in Adelbert College are open to graduate students.

2. *Roman Satire. (a) Lectures on the beginnings of satire, the history of its development, and its influence on later writers. (b) A course of reading in Lucilius, Horace, Persius, Juvenal, and Martial. First half-year.

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3. ROMAN LYRIC AND ELEGIAC POETRY. A course of reading covering the chief works in each of these divisions. First half-year.

4. LATIN PROSE COMPOSITION. An advanced course, adapted to the acquirements and needs of the class. Second half-year.

5. HISTORY OF LATIN LITERATURE. Lectures, with reading of typical selections, and direction of the student's private reading. Throughout the year.

6. CICERO'S LETTERS. Lectures on the history of the period. Students will do critical work on various points in this correspondence and present reports. Second half-year.

MATHEMATICS

PROFESSOR SMITH (1)

PROFESSOR PALMIÉ (2-6)

ASSISTANT PROFESSOR DICKERMAN (1)

1. The elective courses in Mathematics in Adelbert College are open to graduate students.

2. HIGHER PLANE CURVES. General properties of algebraic curves; multiple points and tangents; poles and polars; envelopes, reciprocal curves, tact-invariant of two curves; caustics, parallel curves and negative pedals; metrical properties. Salmon's Higher Plane Curves. First half-year.

3. THEORY OF FUNCTIONS. General Theory of Functions. Second half-year.

4. DIFFERENTIAL EQUATIONS. Equations of the First Order; linear equations with constant coefficients; miscellaneous methods; Legendre's Equation; Bessel's Equation; Forsythe's Differential Equations. First half-year.

5. *PROJECTIVE GEOMETRY. Lectures on parallel projections; perspective; homology; vanishing points and lines; projective figures; cross ratios; harmonic ratios; projective ranges and pencils; conic involution; conjugate points and lines; reciprocal figures; centers and diameters; foci and directrices. Second half-year.

6. THEORY OF SUBSTITUTIONS. General Theory of Substitutions with applications to the solution of cubic and biquadratic equations. First half-year.

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MUSIC

MR. CLEMENS

(Special arrangements must be made for work in this department.)

1. *History of Music. A course in the history of music covering the periods embracing Primitive Music, Ancient Music, and the music of the Christian Era to the end of the sixteenth century. Fillmore's Lessons in Musical History is used as a text-book, supplemented by musically illustrated lectures and references to standard works. A short course in the elements of Harmony is combined with the more strictly historical study in order that the musical developement and relations of the different periods may be more clearly understood. First half-year.

2. *A continuation of course 1, embracing the periods from the beginning of the seventeenth century to the time of Handel and Bach. Substantially the same methods will be followed as in the work of the preceding course. Second half-year.

Those desiring to elect the course in the second term only must possess an adequate knowledge of this subject.

3, 4. *Harmony and Counterpoint. Throughout the year.

PHILOSOPHY

PROFESSOR CURTIS

PROFESSOR AIKINS (absent for the year)

ASSISTANT PROFESSOR MARVIN

DR. ADAMS (10-13)

1. Greek Philosophy and its Relation to the Rise of Christianity. A review of the rise and trend of philosophic thought among the Greeks and Romans from about 600 B. C. to 500 A. D. The main points kept in view are: (a) how the early philosophers treated the problems of life and mind, and (b) how their treatment of these problems is related to the rise and development of Christian Doctrine. The works of Zeller, Marshall, Grote, Jowett, Ueberweg, Heinze, Ritter, Harnack, and Hatch are among the references. First half-year.

2. British Philosophy from Bacon to Hume. Lectures, recitations, and private readings. The purpose of this course is to acquaint the students with the classics of British Empiricism by means of selections from Bacon's Advancement of Learning, and Novum Or-

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ganum, Hobbes' Leviathan, Locke's Essay Concerning Human Understanding, Berkeley's Principles of Human Knowledge, and Hume's Treatise of Human Nature. The course will bring forward the main problems of Modern Philosophy. Such features as are specially prominent today will be indicated and outlined. Among the general reviews of this period mention may be made of Morris' British Thought and Thinkers, Fraser's Selections from Berkeley, and Grimm's Zur Geschichte des Erkenntnisproblems von Bacon bis Hume. First half-year.

3. The Philosophy of Herbert Spencer. A critical study of Spencer's elaboration of the principle and process of Evolution along with the application of Evolution to Philosophy. Selections from the following parts of his work are thus examined: First Principles, The Principles of Biology, The Principles of Psychology, and The Principles of Sociology. Lectures will be given with the aim of showing the historical development and present condition of evolutional thought. Digests and critical essays will be required for the purpose of bringing into prominence the main questions of Cosmology. The more important handbooks for this study are Spencer's First Principles, and Collins' An Epitome of the Synthetic Philosophy. Second half-year. *Or,*

4. The Philosophy of Kant. After the results of Hume's Philosophy have been reviewed, Kant's Critique of Pure Reason will be taken up and the object of knowledge carefully studied. This will be followed by a discussion of the Metaphysics of Morality, the Critique of Practical Reason, and the Critique of Judgment. For this course some knowledge of German is advantageous. Second half-year.

6. Advanced Ethics. Presupposes the undergraduate work in Psychology, Logic, Ethics, and Introduction to Philosophy. The work is conducted by seminary methods in abstracts and discussions. Throughout the year.

7. Theory of Society. This course will be given in lectures throughout the year in two parts. (a) A theory of society based upon anthropology, (b) a study of the institutions of society based upon a theory of society. The second part is a practical illustration of the first part.

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8. ADVANCED LOGIC AND LOGICAL METHODS. This course will include a careful study of Sigwart's Logic in connection with other important German and English works on that subject. Throughout the year.

9. METAPHYSICS. The main problems of systematic Metaphysics will be studied in connection with the reading of some recent writings belonging to this part of philosophy. Throughout the year.

10. *ETHICS. An outline of ethical theory with incidental discussion of practical problems. First half-year.

11. *INTRODUCTION TO PHILOSOPHY. A direct and simple discussion of the main problems of speculative philosophy, such as the ultimate nature of the mind and its relation to the body, the real nature of material things, the significance of evolution, the alleged conflict of science and religion. Knowledge: what it is and what we can hope to know; idealism, realism and scepticism; the relation of knowledge to faith. Second half-year.

12. *ADVANCED PSYCHOLOGY. Mainly from the physiological standpoint. Second half-year.

13. HISTORY OF PHILOSOPHY. The course can be made to cover a period or confined to the work of some single philosopher, according to the preparation and interests of the students who elect it. Either half-year.

For other courses, see Education and Teaching.

PHYSICS

PROFESSOR WHITMAN

MR. MILLS

1. *PHYSICAL OPTICS. Preston's Light, with lectures and laboratory work. Two hours a week, and one laboratory exercise. First half-year.

2. *THEORY OF HEAT. A course based mainly on Maxwell's Theory of Heat, with lectures and references. Three hours a week. Second half-year.

3. *ELECTRICITY AND MAGNETISM. A general review of electrical theory, with laboratory practice in electrical measurements. The text-book will depend somewhat on the character of the class. Throughout the year.

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4. PHYSICAL EXPERIMENT. This course involves detailed study, theoretical and experimental, of selected topics in Physics. The amount of time to be given to the work is arranged with each individual student.

5. *PHYSICS CONFERENCE. Lectures on selected topics. Reports and discussions on special subjects and on current physical literature by members of the conference. One meeting, weekly.

A knowledge of the elements of the Calculus is necessary for courses 1, 2, 3 and 4.

The laboratory fee of courses 1, 3 and 4 is $4.00 for each half-year.

ROMANCE LANGUAGES

PROFESSOR BOURLAND (1-2-6)

MR. BORGERHOFF (3-5-7-10)

No courses are, at present, offered primarily for graduates. The following undergraduate courses are open to properly qualified graduate students:

1. *ITALIAN. DANTE'S PURGATORIO AND VITA NUOVA. Second half-year.

2. *SPANISH. SPANISH LITERATURE OF THE XIX CENTURY. Second half-year, 1905-6.

3. *FRENCH. THE CLASSIC DRAMA. Lectures on the rise and development of the French classic drama, with interpretation of the masterpieces of Corneille, Racine, Molière, Regnard. Collateral reading. Themes. First half-year.

4. *FRENCH. THE DRAMA OF THE EIGHTEENTH AND NINETEENTH CENTURIES. The decadence of the classic drama. Rise and growth of the romantic and realistic drama. Modern tendencies. Readings from Voltaire, Beaumarchais, Destouches, Marivaux, Victor Hugo, Alfred de Musset, Scribe, Dumas père, Augier, Dumas fils, Sardou, Coppée, Rostand. Themes on collateral reading. Second half-year.

5. *FRENCH. MODERN NOVELISTS. Lectures and recitations. The romantic school. First half-year. The realistic school. Second half-year.

6. *FRENCH. JEAN-JACQUES ROUSSEAU. A study of his principal works, his life, and influence. Second half-year.

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7. *FRENCH. THE SIXTEENTH CENTURY. The Reformation and the Renaissance. Rabelais, Calvin, Marot, Ronsard and the Pléïade, Montaigne. Readings from Darmesteter and Hatzfeld's Le Seizième Siècle en France. Study of the language and syntax of the period. Themes and collateral reading. First half-year.

8. *FRENCH. HISTORY OF OLD FRENCH LITERATURE, with representative readings from Bartsch's Chrestomathie, La Chanson de Roland, and Christian of Troyes. The Mediæval Drama. Second half-year.

9. *FRENCH. FRENCH HISTORICAL GRAMMAR. Phonetics, morphology, syntax. Illustrative reading from Old French texts. Throughout the year.

10. *FRENCH. Outline history of the French Literature. Collateral readings and reports.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first-half year begins on the Tuesday after the sixteenth day of September, and continues, with a Christmas recess of nine days, until the first Saturday in February. The second half year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Wednesday after the 10th day of June (or after the ninth in years in which February has twenty-nine days). No exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

METHODS AND LIBRARY FACILITIES

Instruction is given by lectures, seminaries, recitations, and conferences with instructors, by specially directed courses of reading or research, by work in laboratories, etc.

The library facilities available are: (1) Hatch Library (about 60,000 books and pamphlets), with a very full periodical list, with good collections, especially in French literature, classical philology, archœology, and history, and unusually well equipped in Germanic philology and literature, including the library (12,000 vols.) of the late Prof. Wilhelm Scherer of the University of Berlin; (2) Library of the College for Women, a small well selected collection for general work; (3) the Case Library (50,000 vols.) well supplied with periodicals and general literature, and offering excellent facilities for the study of the fine arts, of political economy and sociology, and of the sciences, especially chemistry and botany; (4) the Cleveland Public Library (150,000 vols.), well supplied with Shakesperiana, with modern literature, with works on history, art, education, and archæology.

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DEGREES

The degrees conferred by the Trustees, on recommendation of the Graduate Faculty, are MASTER OF ARTS and DOCTOR OF PHILOSOPHY. The degree of Master of Arts will be conferred on accepted candidates who shall have pursued successfully, in residence and under the direction of the Faculty, advanced courses of liberal study equal in amount to the work of one collegiate year—ordinarily the equivalent of four courses aggregating twelve hours a week. These courses must be divided among at least three different subjects. Detailed information regarding courses of study may be obtained from the Dean of the Faculty. The degree will also be conferred without residence, upon graduates of the class of 1893 or before, of Adelbert College or the College for Women, provided the candidate sustain satisfactory examination in the courses prescribed, and submit either a thesis on a subject assigned or other sufficient evidence of fitness to receive the degree—such as printed essays.

The degree of Doctor of Philosophy will be conferred only on persons who have previously received a Bachelor's degree either from this or from some other university or college of good standing. The candidate must have pursued courses of advanced study, mainly of university as distinguished from college grade. He must have shown special ability in one branch of study (major) and high attainments in two other branches (minors), as determined by written or oral examinations or both. The candidate must have submitted to the Graduate Faculty a thesis, which shall be accepted as evincing powers of research and independent investigation. After its acceptance he must deposit at least fifty copies of his thesis, printed either in full or in abstract as may be required, with the Dean of the Graduate Faculty. The degree will be granted to no one who does not possess

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a good reading knowledge of French and German and, unless specially excused, of Latin. The degree is not given merely for faithful study of courses taken or text-books assigned, but as evidence of special ability in some chosen field; hence no definite term of study can be specified. Ordinarily at least two years are necessary and often a longer time is advisable. Part of this time may be spent in advanced study at some other institution of high standing in this country or abroad; the last year, at least, must be spent in residence here.

In cases where the undergraduate courses already taken are not equivalent to those given in this university, or where, for any reason, previous preparation is inadequate, students must do additional undergraduate work or prolong the term of graduate study, as may be required, before receiving higher degrees.

EXPENSES

The regular fee for instruction for each graduate student is eighty-five dollars a year. This does not include special laboratory fees, which vary with the courses concerned.

A limited number of scholarships has been established and will be awarded upon presentation of satisfactory evidence of scholarly ability. The recipients of these scholarships may be called upon to render some service to the university.

THE FRANCIS G. BUTLER FUND

The Francis G. Butler Publication Fund is available to graduate students for the publication of the results of original research in the field of American history.

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THE MEDICAL COLLEGE

GENERAL STATEMENT

THE Medical Department of the Western Reserve University was organized, in 1843, as the Cleveland Medical College, a branch of Western Reserve College. The first Faculty contained the names of Drs. John Delemater, Jared P. Kirtland, Noah Worcester, Horace A. Ackley, John Lang Cassels, and Samuel St. John, names widely known in medicine. The first class graduated in 1844. The requirements for graduation were three years' study of medicine, including two terms of attendance on medical lectures, each term extending over a period of sixteen weeks, together "with good moral character." The old college building was erected in 1844, on the present site, at the corner of St. Clair and Erie Streets. This ground has since been continuously occupied for medical college purposes. The length of the course remained sixteen weeks until 1868, when it was increased to seventeen weeks. In 1871 the course was increased to twenty weeks. In 1875 the old Cleveland City Hopsital, with its fifty-nine beds, the predecessor of the Lakeside Hospital, was first utilized for clinical purposes. In 1878 the length of the course became twenty-four weeks. In 1881 Charity Hospital, with about seventy-five beds, together with its Maternity Department, was added as a clinical field. In 1887 the present commodious college building was first occupied; in the same year a preliminary examination was for the first time instituted. In 1888 the length of the course was increased to six months, and the number of the required courses to three. In the

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same year laboratory work in Chemistry and Pathology was made obligatory. An optional four-year course was adopted in 1895, and was made obligatory in the following year. In 1895 the length of the course was increased to eight months; at the same time practical work in the laboratories of Histology, Bacteriology and Physiology, was added as a part of the required work. In 1896 the right to use the present City Hospital for clinical purposes during four months in the year was acquired. In January, 1898, the new Lakeside Hospital was formally occupied, and the new chemical laboratory was erected. At the same time laboratory instruction in Pharmacology was added as one of the required courses of the curriculum. In 1900 the new laboratory of Clinical Microscopy and Clinical Medicine was erected, and in 1901 it was fully equipped. In 1901, by unanimous recommendation of the Medical Faculty and by vote of the Trustees, the requirements for admission to the first year of the Medical College were increased to include the work of the Junior year in an academic institution of recognized collegiate rank. The rapid development of the curriculum in this school in the late years has been possible only through the generous financial assistance of its many friends to whom the Medical Faculty thus desires to make public acknowledgment. The graduates of the Medical College now number two thousand three hundred and fifteen.

The course of study for the degree of Doctor of Medicine is now of four years' duration. The school year or session begins on the first of October, unless this falls on Sunday, in which case it begins on the second, and terminates at the University Commencement in June. Theoretical and applied branches of study are graded and arranged with reference to their bearing upon and preparation for each other, and the effect of the whole course. Instruction is given by lectures, recitations, quizzes, laboratory

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work, clinical demonstrations, clinical conferences and practical dispensary and bedside work. Endowment of the chairs of Anatomy, Histology, Bacteriology, Physiology, Pathology, Pharmacology, and Clinical Microscopy, permits the employment of instructors who devote all of their time to teaching and research in this college. The buildings are modern in plan, construction and equipment, and ample in size for their purposes. In the subjects of Anatomy, Physiology, Histology, Embryology and Comparative Anatomy, Bacteriology, Pathological Anatomy, Pharmacology, and Clinical Microscopy, laboratory work accompanies the didactic instruction, and is required of every student. In the Junior and Senior classes every student is required to do practical work in the Dispensaries, at the bedside in the hospitals, and in the obstetrical wards.

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FACULTY

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

JOHN E. DARBY, A. M., M. D., Doan St. and Euclid Av.
Professor of Therapeutics.

HUNTER H. POWELL, A. M., M. D., 467 Prospect St.
Professor of Obstetrics and Pediatrics.

JOHN H. LOWMAN, A. M., M. D., 441 Prospect St.
Professor of Medicine and Clinical Medicine.

JOHN P. SAWYER, A. M., M. D., 536 Rose Building.
Professor of Medicine and Clinical Medicine.

WILLIAM T. CORLETT, M. D., L. R. C. P. (London), 553 Euclid Av.
Professor of Dermatology and Syphilis.

HENRY S. UPSON, A. B., M. D., 514 New England Building.
Professor of Neurology.

GEORGE C. ASHMUN, M. D., 794 Republic St.
Professor of Hygiene and Preventive Medicine.
Registrar and Bursar.

DUDLEY PETER ALLEN, A. M., M. D., 260 Euclid Av.
Professor of the Theory and Practice of Surgery and Clinical Surgery

BENJAMIN L. MILLIKIN, A. M., M. D., 260 Euclid Av.
Professor of Ophthalmology,
Dean and Executive Officer of the Faculty.

CARL A. HAMANN, M. D., 661 Prospect St.
Henry Wilson Payne Professor of Anatomy.

FRANK E. BUNTS, M. D., 275 Prospect St.
Professor of the Principles of Surgery and Clinical Surgery.

HUNTER ROBB, A. B., M. D., 702 Rose Building.
Professor of Gynecology.

WILLIAM T. HOWARD, JR., M. D., 88 Dorchester Av.
Professor of Pathology, Pathological Anatomy and Bacteriology.

EDWARD FITCH CUSHING, PH. B., M. D., 1160 Euclid Av.
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The Leonard Hanna Lecturer on Clinical Microscopy.

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Instructor in Surgery.

DEMONSTRATORS

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JUNIUS H. MCHENRY, M. D., 207 Osborn Building.
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HOWARD D. HASKINS, M. D., 41 Bolton Place.
H. M. Hanna Research Fellow.

ELIZABETH UPJOHN, Kingmoore Building.
Directing Visiting Nurse Tubercular Dispensary.

THOS. J. TAYLOR, M. D., 2153 Superior St.
Clerk of Medical College.

ANDREW FLOWER, Erie and St. Clair Sts.
Prosector and Curator Anatomical Rooms.

MRS. FLOWER, Erie and St. Clair Sts.
Janitress.

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STUDENTS.

FOURTH YEAR

Newton S. Banker, A. B., Ohio Northern University.	*Canton,*	175 Chestnut St.
John Joseph Lincoln Bolden,	*Cleveland,*	259 Commonwealth Av.
Arthur M. Cheetham,	*Cleveland,*	805 E. Madison Av.
Ernest Harper Cox, B. S., Wabash College.	*Cleveland,*	513 E. Prospect St.
Claude Leroy Difford, A. B., Adelbert College.	*Cleveland,*	49 Alum St.
Norman William Ingalls, B. S., Baldwin University.	*La Grange,*	7 Dodge Ct.
Everett Jay Lawrence, A. B., Williams College.	*Norwalk,*	413 "The Ellington."
William Palmer Lucas, A. B., Wooster University.	*Cleveland,*	49 Idlewood Av.
John Roy McDowell, A. B., Adelbert College.	*Medina,*	41 "The Cary."
Joseph Charles McFate, A. B., Grove City College.	*Cochranton, Pa.,*	175 Chestnut St.
Edward Peterka, A. B., Adelbert College.	*Cleveland,*	51 Goethe St.
J. Douglas Pilcher, Ph. B., Adelbert College.	*Cleveland,*	54 Auburndale Av.
Fred Jacobs Ritterspach, A. B., Wittenberg College.	*Nevada,*	413 "The Ellington."
D. Nevin Sandoe,	*Columbus,*	Erie and St. Clair.
Fred M. Sayle,	*Cleveland,*	1499 Cedar Av.
James Seliskar, St. Thomas College.	*Cleveland,*	20 Norwood St.
Ralph Henry Sill,	*Millersburg,*	Charity Hospital.
Shandor Harry Solomonson, B.S., Case School of Applied Science.	*Cleveland,*	1022 Case Av.
Edward von den Steinen, University of North Carolina.	*Cleveland,*	47 Arlington St.
Chauncey C. Stewart,	*Poland,*	Erie and St. Clair.
John Ross Stewart,	*Cleveland,*	821 Logan Av.

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Oliver Arkenburg Weber, Ph. B., *Miamisburg,* 41 "The Cary."
Adelbert College.

Arthur Garfield Wilcox, Ph. B., *Akron,* 6 Wycomb Pl.
Adelbert College.

Fourth year, 23.

THIRD YEAR

Emmett Mose Blahd, *Cleveland,* 45 Fourth Av.
Cornell University.

Ralph Ethan Browne, *Cleveland,* 156 Cedar Av.
State School of Mines and Engineering, Colorado.

Francis Patrick Corrigan, A. B., *Cleveland,* 66 Gorman Av.
Adelbert College.

Egbert Frank Davis, Ph. B., *Galion,* 161 Chestnut St.
Baldwin University.

Arthur Bradley Eisenbrey, Ph. B., *Cleveland,* 41 "The Cary."
Adelbert College.

Birt Eugene Garver, B. L., *Lorain,* 41 "The Cary."
Adelbert College.

John Allen Hofmann, Ph. B., *Cleveland,* 2039 Doan St.
Wooster University.

Luman Gordon Moore, Jr., A. B., *Kinsman,* 41 "The Cary."
Leland Stanford.

David A. Prendergast, *Cleveland,* 92 Burton St.

George Franklin Thomas, A. B., *Akron,* "The Deanna."
Adelbert College.

Frank Walter Vincent, A. B., *Oberlin,* Hiram House.
Oberlin College.

Andrew Robert Warner, A. B., A. M., *Pulaski, N. Y.,* 739 Hough Av.
Hamilton College.

Henry Klar Yaggi, B. S., *Alliance,* 20 Lake View Av.
Mt. Union College.

Third year, 13.

SECOND YEAR

Charles J. Albl, *Cleveland,* 1406 Broadway.

Benjamin Clyde Barnard, Ph. B., *Cleveland,* 114 Whitney Av.
Wooster University.

John Ross Beiter, B. L., *Canton,* 4 Wycomb Pl.
Kenyon College.

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Clyde Lothidge Cummer, Ph. B., *Cleveland,* 396 Bolton Av.
Adelbert College.

Russell Arthur Jewitt, *Cleveland,* 456 Dunham Av.
Ohio Wesleyan University.

Edmonde De Witte Neer, Ph. B., *De Graff,* Erie and St. Clair.
Adelbert College.

Earl Frederick Smith, *Lorain,* 7 Wycomb Pl.
Ohio Wesleyan University.

Benjamin Briggs Ward, A. B., *Wickliffe,* 3700 Euclid Av.
Wabash College.

John King Gamble, B. S., *New Wilmington, Pa.,*
Westminster College. 161 Sibley St.

Second year, 9.

FIRST YEAR

Harry Lester Bard, *Cleveland,* 1341 Lorain St.
Senior Adelbert College.

Robert Hamilton Bishop, Jr., A. B., *Mankato, Kan.,*
Miami College. Suite 305 "The Hannah."

Cortland Linden Booth, *Wakeman,* 286 Commonwealth Av.
Senior Oberlin College.

Jacob George Brody, *Youngstown,* 769 Superior St.
Examined by Adelbert Faculty.

Ernest R. Brooks, A. B., *Beaver Falls, Pa.,* 102 Adelbert St.
Washington and Jefferson College.

Robert Swinton Campbell, *Cleveland,* 2209 Superior St.
Senior Adelbert College.

Carl Judd Case, *Hudson,* 147 Cornell St.
Senior Adelbert College.

Archibald Nail Dawson, A. B., *Elyria,* Suite 305, "The Hannah."
Ohio Wesleyan University.

David Randolph Frasher, B. S., *Lexington,* 135 Chestnut St.
Ohio Northern University.

David Percy Hillis, A. B., *Oberlin,* Hiram House.
Oberlin College.

Samuel Campbell Hotchkiss, A.B., *West Toledo,* St. Clair and Erie.
Oberlin College.

Perley Howe Kilbourn, A. B., *Arcanum,*
Otterbein University. Suite 305 "The Hannah."

William Claude Martin, *Cleveland,* 84 Marvin Av.
Senior Adelbert College.

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William Theodore Miller, Jr., *Cleveland,* 999 E. Madison Av.
Senior Adelbert College.

Arnold Minnig, *New Philadelphia,*
Senior Adelbert College. Suite 305 "The Hannah."

George Byron Parisen, B. S., *Pittsburg, Pa.,* 161 Chestnut St.
Westminster College.

Ervin Albert Peterson, B. L., *Cleveland,* 2525 Broadway.
Ohio Wesleyan University.

Harley Jesse Powell, Ph. B., *Cleveland,* 297 Taylor St.
Findlay College.

Homer P. Prowitt, B. S., *Washington, Pa.,* 102 Adelbert St.
Washington and Jefferson College.

Homer Garfield Scranton, *Alliance,* 20 Lake View Av.
Senior Mt. Union College.

Henry Harlow Skinner, A. B., *Princeton, Mass.,*
Oberlin College. 286 Commonwealth Av.

Arthur Morris Tweedie, B. L., *Walton, N. Y.,* 161 Chestnut St.
Westminster College.

Charles Wesley Wendelken, B. S., *Portsmouth,*
German Wallace College. Suite 23, "The Charles."

Cecil Orville Witter, B. S., *Cleveland,*
Ashland College. "The Latimer," Blaine St.

Chauncey Witter Wyckoff, A. B., *Chagrin Falls,*
Ohio Wesleyan University. Suite 305 "The Hannah."

First year, 25.

SPECIAL

M. M. Smith, *Cleveland,* 1621 Euclid Av.

SUMMARY

Fourth Year	23
Third Year	13
Second Year	9
First Year	25
Special	1
Total	71

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REQUIREMENTS FOR ADMISSION

I. Graduates in Arts and Sciences of recognized colleges will be accepted without examination, on presentation of diploma.

II. Students who present certificates from recognized colleges, showing that the work of the Junior year in such colleges has been completed, will be accepted without examination.

III. Students who can not present certificates covering the entire work of the first three years in a recognized college, will be required to pass an examination upon the work in which they may be deficient. These examinations will be conducted by the Faculty of Adelbert College of Western Reserve University.

IV. Students in the Senior class of Adelbert College are permitted to take elective courses in the first year of the Medical College. Such electives, to the extent of nine hours a week, are counted toward the academic degree, so that in this way students may save one year in the combined literary and medical courses.

V. By law of the State of Ohio every student of medicine, in order to be eligible at the end of his course, for examination and license by the State Board of Medical Examination and Registration, must, at the beginning of his course, register with this Board. The examiner for Cleveland is Prof. E. L. Harris, Central High School, Willson Ave., who will issue certificates. A fee of $2.00 is required by the Board.

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COLLEGE TRAINING SUGGESTED PREPARATORY TO THE STUDY OF MEDICINE

Students who contemplate the study of medicine should, during their undergraduate course, take as much work in Biology, Chemistry and Physics as is consistent with general culture training. To this end the student should take the elementary courses in these subjects, as early in his collegiate course as is permissible and follow these by more advanced courses in order that he may be prepared to take up medical work with a thorough knowledge of these subjects. In Biological science, he should take General Biology or Elementary Zoology and Botany, Anatomy of Vertebrates and Embryology of Vertebrates. Courses in Invertebrate Zoology, Phanerogamic Botany and Elementary Physiology are also desirable.

For such work as the student completes in Normal Animal Histology, Vertebrate Anatomy and Embryology, due credit will be given upon presentation of evidence that such work has been done in regular courses under competent instruction and with adequate equipment. Such evidence consists chiefly in presentation of laboratory note books and drawings. He will be required to take in the Medical College only such parts of these as he has not already covered.

In Physics he should take at least the elementary courses. A knowledge of Mechanics, Optics and the elements of Electricity and Magnetism are especially desirable.

The student, previous to entering the medical department, should have completed his studies in Chemistry; his undergraduate work, therefore, should cover inorganic chemistry and qualitative analysis as well as elementary course in organic chemistry. Quantitative analysis is also desirable. Where, however, the student is deficient in any of these subjects, an opportunity to study them is given in

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the physiological laboratory. The subject of physiological chemistry is also studied in the medical school.

Since a large part of current literature in medical subjects is written in German and French, the student who contemplates the study of medicine should have a good reading knowledge of these two languages.

The above branches are thus particularly desirable as preparatory studies for medicine.

ADMISSION TO ADVANCED STANDING

Graduates in Arts or Sciences of recognized colleges who have, during their academic course, devoted to the subjects the number of hours, or have covered the text-books mentioned below or their equivalents, and have passed satisfactory examinations therein, may be admitted to the second year of the course. But the amount of practical work in such courses must not be less than that required in the corresponding subjects during the first year in this college.

Comparative Anatomy, 90 hours; Kingsley or Wiedersheim. Embryology, 90 hours; Foster and Balfour, Hertwig, McMurrich or Heisler. Human Anatomy, 120 hours. Histology, 200 hours; Böhm and Davidoff, Schäfer, Piersol, Stöhr, or Szymonowicz. Inorganic and Organic Chemistry, 300 hours.

Physiology and Physiological Chemistry, 150 hours; Practical Physiology by various writers (Arnold, London).

Graduates in Arts or Sciences who are deficient in Practical Anatomy or Histology may still be permitted to enter the second year on condition of making up the deficiency by private work and passing the examination on these subjects during the year.

Students from other recognized Medical Colleges will be admitted to advanced standing, subject to the following conditions:

1. They must present satisfactory evidence that they have completed the required preliminary literary work.

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2. Credit will be given for such work as has been satisfactorily done by the student. The head of each department in which credit is sought will satisfy himself of the standing of the applicant, by an informal examination, or by any other means which may be considered necessary. A certificate from the instructor under whom the work has been done must be submitted, as also the note books of the student, and a syllabus of the course.

3. Any course, or any part of a course, which is compulsory in this college, and which has not been sufficiently covered by the previous work of the student, must be taken at this college.

4. The conditions for the admittance to a class are the same as the conditions of advancement in force for the students of this college, as given below.

The main object of these restrictions is to prevent prospective students from undertaking work for which they are not sufficiently prepared, and for which they would not have time. Deficiencies are most likely to exist in the experimental subjects of the freshman and sophomore years of the curriculum. Students who wish to enter the junior or senior classes must therefore expect, as a rule, to spend the greater part of their first year in making up back work. This necessity may be avoided in many cases by attending the courses which are offered during the summer.

Graduates in Medicine from other schools, who desire to apply for the degree of Doctor of Medicine in this school, must present satisfactory proof that they have completed the preliminary literary work required for admission to this College, must take at least the work of the fourth year, and must pass the examination on all the subjects of this year, and any subjects of other years in which they may be deficient. Graduates in Medicine, or other students who desire to take special courses without graduation, will be ad-

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mitted without examination. Such special courses will not count in any way for the degree of Doctor of Medicine in this College.

Examination of certificates for admission will take place in the college building on the two week days preceding the opening of the session. Candidates should attend at the college on either of these days, bringing their certificates with them. Diplomas or certificates may also be personally presented to the Registrar during the week preceding the opening, or forwarded to him at any time.

In accordance with the laws of several states (not at present including Ohio, but likely soon to be in force in this state), all persons desiring to practice medicine in these states are required to have attended, before taking the state examination, four full years at a regular medical college, whether they are graduates of a literary college or not. A student, who by reason of premedical subjects completed in undergraduate colleges attempts to complete the medical course in three years, is therefore disbarred from practice in these states. The attention of candidates for advanced standing is therefore called to this fact.

The laws of the State of Ohio as well as the majority of other states and territories require that any person applying for a license to practice medicine, whether having a medical diploma or not, must pass an examination before the State Board of Medical Examination and Registration.

CONDITIONS OF ADVANCEMENTS.

The promotion from one class into another will be determined by the results of examinations and by the other records of the students' work. A final grade of 75% will be required for passing in any subject. A student who has failed in a course may be required, at the discretion of the instructors, to repeat his attendance at all or a part of

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the course; or he may only be required to be re-examined within the first three weeks of the school year. If he have failed in subjects covering 300 hours or more of schedule time,* re-attendance of at least one-half of the work in which he has failed will be required before a re-examination is allowed. With the permission of the head of the department, attendance of summer courses or private instruction by a member of the teaching staff may be accepted in place of attendance at the regular classes.

The available time of each year being amply filled by the compulsory studies of that year, students will not be able, and will not be permitted, to enter a higher class until they have shown their fitness to carry the work of this class. In deciding this question of fitness, the faculty will be guided by the following rules:

1. The student must have passed, by the third week of October, in every subject of the class two years below that which he wishes to enter, (i. e. he cannot enter the junior class unless he has passed in all freshman subjects, nor the senior class, if he has not passed all the freshman and sophomore examinations).

2. He will not be permitted to enter a class if he is obliged to repeat, or attend at, 150 hours or more of the work of the preceding year, or if he is deficient in subjects amounting to 300 schedule hours or more. (This rule does not apply to the entrance of graduates of colleges into the sophomore class, which is covered by the regulations of page 167.)

3. As a rule, promotions from one class to another will only be made at the end and beginning of the school year.

4. Students who are not promoted will be permitted to take any courses of the next class for which they are sufficiently prepared, and which do not interfere with the

*One hour per week through the year is counted as 80 hours of schedule time.

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work in which they are conditioned. All the courses taken (repeated and new) must not amount to more than 1,000 schedule hours, and a lesser number of hours will generally be advisable. Examinations in these courses may be taken with the regular class. By supplementing this work with summer-courses, the ground which has been lost may in some cases be recovered.

5. *Candidates for the degree who have failed to graduate* may be required to repeat their attendance at such courses as the faculty may direct; those who have failed in three courses or more must repeat their attendance at all the courses in which they have failed, and at such further courses as the faculty may direct. When these conditions of attendance have been satisfied, re-examinations in the subjects in which the candidate was deficient will be granted as follows: If the student has failed in but one subject, he may be re-examined in October; if he has failed in two subjects, in January; if he has failed in three subjects or more, he must take the regular examinations in these subjects with the senior class. Diplomas will only be granted at the regular commencement.

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COURSE OF STUDY

Number of Hours a Week.

FIRST YEAR

LECTURES AND RECITATIONS

Anatomy ..... 3 hours
Histology and Microscopical Anatomy ..... 1 hour
Comparative Anatomy and Embryology ..... 1 hour
Physiology ..... 1 hour

LABORATORY WORK

Histology and Microscopical Anatomy ..... 6 hours
Comparative Anatomy and Embryology ..... 6 hours
Physiology ..... 4 hours
Dissections ..... 12 hours, until March 1st
Electives ..... 3 hours, until March 1st
9 hours, after March 1st
Chemistry ..... 6 hours, until March 1st
12 hours, after March 1st

SECOND YEAR

LECTURES AND RECITATIONS

Physiology ..... 3 hours, until March 1st
1 hour, after March 1st
Anatomy and Applied Anatomy ..... 4 hours
Pathology and Bacteriology ..... 2 hours
Bandaging and Splints ..... 2 hours, after March 1st
Physical Diagnosis ..... 2 hours, after March 1st
Pharmacology ..... 1 hour

LABORATORY EXERCISES

Physiology ..... 6 hours, until March 1st
2 hours, after March 1st
Pathology and Bacteriology ..... 9 hours
Pharmacology ..... 2 hours, until March 1st
7 hours, after March 1st
Dissections ..... 9 hours, until March 1st
Electives ..... 2 hours, after March 1st
Demonstration in Gross Pathology ..... 1 hour

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THIRD YEAR

LECTURES AND RECITATIONS

Pharmacology ..... 2 hours
Therapeutics ..... 3 hours
Obstetrics ..... 2 hours
Medicine ..... 3 hours
Surgery ..... 2 hours
Gynecology ..... 1 hour
Physical Diagnosis ..... 2 hours

DIDACTIC AND CLINICAL LECTURES

Medicine ..... 4 hours
Surgery ..... 6 hours
Nose, Ear and Throat ..... 1 hour
Dermatology ..... 1 hour

LABORATORY EXERCISES

Applied Anatomy ..... 1 hour
Pathological Demonstrations ..... 1 hour
Clinical Laboratory ..... 4 hours

FOURTH YEAR

Daily work in Dispensary Section, 1 to 3 p. m., Lakeside Hospital. Individual Assignment for ward cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught to Sections in second half-year. Exercises in Obstetric Mannikin taught to Sections. Autopsies and Clinical Pathological material worked up throughout the year. No Sections to be detailed to Hospitals or Dispensaries in hours conflicting with schedule.

GENERAL CLINICS

Medicine ..... 4 hours
Surgery ..... 6 hours
Gynecology ..... 2 hours
Obstetrics ..... As material offers

LECTURES

Hygiene and Preventive Medicine ..... 2 hours
Jurisprudence ..... 1 hour

LECTURES, CLINICAL AND DIDACTIC

Nervous Diseases ..... 1 hour
Pediatrics ..... 1 hour
Ophthalmology ..... 1 hour

Special clinics in medicine and surgery at St. Alexis or City Hospitals, two sections to half of class, two hours each per week.

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FIRST YEAR CLASS

MONDAY—Histological Laboratory, 8 to 12 a. m. Dissections (until March 1st), 1:30 to 4:30 p. m. Elective Work (Note A; after March 1st), 1:30 to 4:30 p. m.

TUESDAY—Comparative Anatomy and Embryology Laboratory (Note B), 8 to 11 a. m. Anatomy Lecture, 11 to 12 a. m. Dissections (until March 1st), 1:30 to 4:30 p. m.

WEDNESDAY—Physiology Laboratory, 8 to 10 a. m. Histology Laboratory, 10 to 12 a. m. Dissections (until March 1st), 1:30 to 4:30 p. m.

THURSDAY—Comparative Anatomy and Embryology Lecture (Note B), 8 to 9 a. m. Elective Work (Notes A and B), 9 to 12 a. m. Dissections (Note C; until March 1st), 1:30 to 4:30 p. m. Chemistry (Note C; after March 1st), 1:30 to 4:30 p. m.

FRIDAY—Histology Quiz, 8 to 9 a. m. Physiology Lecture, 9 to 10 a. m. Physiology Laboratory, 10 to 12 a. m. Dissections (Note D; until March 1st), 1:30 to 4:30 p. m. Elective Work (Notes A and B; after March 1st), 1:30 to 4:30 p. m.

SATURDAY—Comparative Anatomy and Embryology Laboratory (Note B), 8 to 11 a. m. Anatomy Lecture, 11 to 12 a. m.

NOTES TO FIRST YEAR SCHEDULE

Note A—A number of Elective Courses will be offered, supplementary to the regular work in the departments. The subjects of these courses will be announced later. Students must account for the whole time assigned to the Electives, but are allowed the choice of the subjects; except that those conditioned in Chemistry must elect this branch. The Elective work may also be taken at Adelbert College.

Note B—These courses may be taken at Adelbert College.

Note C—Only for students conditioned in Chemistry.

Note D—Only for students not conditioned in Chemistry.

SECOND YEAR CLASS

MONDAY—Physiology Lecture, 8 to 9 a. m. Bacteriology and Pathology, 9 to 12 a. m. Dissections (until March 1st), 1:30 to 4:30 p. m. Physical Diagnosis at Charity Hospital (after March 1st), 2 to 3 p. m. Applied Anatomy, 4 to 5 p. m.

TUESDAY—Physiology Laboratory (until March 1st), 8 to 12 a. m. Pharmacology Laboratory (after March 1st), 8 to 12 a. m. Dissect-

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ing (until March 1st), 1:30 to 4 p. m. Anatomy (until March 1st), 4 to 5 p. m. Anatomy (after March 1st) 3 to 4 p. m. Bandaging (after March 1st), 4 to 5 p. m.

WEDNESDAY—Pharmacology Lecture, 8 to 9 a. m. Bacteriology and Pathology, 9 to 12 a. m. Pharmacology Laboratory (after March 1st), 1:30 to 4:30 p. m.

THURSDAY—Physiology Lecture (until March 1st), 8 to 9 a. m. Bacteriology and Pathology, 9 to 12 a. m. Dissections (until March 1st), 1:30 to 4 p. m. Physical Diagnosis (after March 1st), 3 to 4 p. m. Applied Anatomy, 4 to 5 p. m.

FRIDAY—Physiology Lecture (until March 1st), 8 to 9 a. m. Bacteriology and Pathology, 9 to 12 a. m. Dissections (until March 1st), 1:30 to 3 p. m. Anatomy, 3 to 4 p. m. Bandaging (after March 1st), 4 to 5 p. m.

SATURDAY—Pharmacology Laboratory (until March 1st), 8 to 10 a. m. Elective Work (after March 1st), 8 to 10 a. m. Physiology Laboratory, 10 to 12 a. m.

THIRD YEAR CLASS

MONDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Fractures and Dislocations, 11 to 12 a. m. Applied Anatomy, 4 to 5 p. m.

TUESDAY—Medical Clinic, Lakeside Hospital, 8:30 to 10 a. m. Surgical Clinic, Lakeside Hospital, 10 to 12 a. m. (including instructions in anæsthetics). Clinical Surgery (to Jan. 1st), 2 to 3:30 p. m. Physical Diagnosis, City Hospital 3:30 to 5 p. m. Clinical Laboratory (after Jan. 1st), 2 to 5 p. m.

WEDNESDAY—Medical Recitation, Charity Hospital, 8 to 9 a. m. Medical Clinic, Charity Hospital, 9 to 10 a. m. Surgical Clinic, Charity Hospital, 10 to 11 a. m. Principles of Surgery, Charity Hospital, 11 to 12 a. m. Dermatology, 2 to 3 p. m.

THURSDAY—Pharmacology, 8 to 9 a. m. Therapeutics, 9 to 10 a. m. Obstetrics, 10 to 11 a. m. Gross Pathology, Demonstration, 11 to 12 a. m. Clinical Laboratory (to Jan. 1st), 1:30 to 3 p. m. Medicine, Lakeside Hospital, 3 to 4 p. m. Applied Anatomy, 4 to 5 p. m.

FRIDAY—Therapeutics, 8 to 9 a. m. Gynecology, 9 to 10 a. m. Clinical Laboratory, 10 to 12 a. m. Nose, Ear and Throat, Lakeside Hospital, 2 to 3 p. m. Genito-Urinary, College Building (to Jan. 1st), 3 to 4 p. m. Physical Diagnosis, Lakeside Hospital (after Jan. 1st), 3 to 4 p. m. Medicine, College Building, 4 to 5 p. m.

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SATURDAY—Medicine, Chairty Hospital, 9:30 to 10:30 a. m. Surgical Clinic, Charity Hospital, 10:30 to 11:30 a. m. Principles of Surgery, Charity Hospital, 11:30 to 12:30 a. m. Clinical Surgery, 2 to 3:30 p. m. Physical Diagnosis, City Hospital (to Jan. 1st), 3:30 to 5 p. m. Clinical Laboratory (after Jan. 1st), 2 to 5 p. m.

After January 1st, sections to Charity Hospital Dispensary.

Instructions at special hours in history taking, recording, cataloguing and references.

Attendance on autopsies as especially arranged.

FOURTH YEAR CLASS

Daily Work in Dispensary Section, Lakeside Hospital, 1 to 3 p. m.

Individual assignment in Ward Cases. Clinical Laboratory in connection with Clinics and Assigned Cases. Operative Surgery taught in Sections in second half-year. Exercises in Obstetrics and Manikin taught to Sections. Autopsies and Clinical Pathological material worked up throughout the year.

Sections detailed to St. Alexis Hospital Wednesday and Saturday mornings.

Quizzes on Clinics in hours to be announced.

MONDAY—Clinical Laboratory and Ward Cases by Sections, 8 to 10 a. m. Obstetrics, 10 to 11 a. m. Fractures (first half-year), 11 to 12 a. m. Dispensary Clinics, 1 to 3 p. m. Surgical Diagnosis, Lakeside Hospital, 3 to 4 p. m.

TUESDAY—Medical Clinic, Lakeside Hospital, 8:30 to 10 a. m. Surgical Clinic, Lakeside Hospital, 10 to 12 a. m. Dispensary Clinics, 1 to 3 p. m. Nervous Diseases, Lakeside Hospital, 3 to 4 p. m.

WEDNESDAY—Medical Clinic, Charity Hospital, 9 to 10 a. m. Surgical Clinic, Charity Hospital, 10 to 11 a. m. Hygiene and Preventive Medicine, 11 to 12 a. m. Dispensary Clinic, 1 to 2 p. m. Pediatrics, Lakeside Hospital, 2 to 3 p. m. Dermatology, 3 to 4 p. m.

THURSDAY—Clinical Laboratory and Ward Cases, by Sections, 8 to 10 a. m. Obstetrics, 10 to 11 a. m. Gynecological Clinic, Lakeside Hospital, 11 to 12 a. m. Dispensary Clinic, 1 to 3 p. m. Medical Clinic, 3 to 4 p. m.

FRIDAY—Jurisprudence, 8 to 9 a. m. Surgical Clinic, Lakeside Hospital (including instructions in anæsthetics), 10 to 12 a. m. Dispensary Clinic, 1 to 3 p. m. Ophthalmology, Lakeside Hospital, 3 to 4 p. m. Hygiene and Preventive Medicine, 4 to 5 p. m.

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SATURDAY—Gynecological Clinic, Charity Hospital, 8 to 9:30 a. m. Medicine, Charity Hospital, 9:30 to 10:30 a. m. Surgical Clinic, Charity Hospital, 10:30 to 11:30 a. m. Dispensary Clinic, 1 to 3 p. m. City Hospital Clinics (to Jan. 1st), 2 to 5 p. m.

DISPENSARY SECTIONS

SECTION.	1	2	3	4	5	6	7
Oct. 8 to Oct. 29,	Eye	Paed.	Med.	N. D.,	Surg.	Gyn.	N. E. T.
Oct. 31 to Nov. 26,	N. E. T.	Eye	Paed.	Med.	N. D.	Surg.	Gyn.
Nov. 28 to Dec. 31,	Gyn.	N. E. T.	Eye	Paed.	Med.	N. D.	Surg.
Jan. 2 to Jan. 28,	Surg.	Gyn.	N. E. T.	Eye	Paed.	Med.	N. D.
Jan. 30 to Feb. 25,	N. D.	Surg.	Gyn.	N. E. T.	Eye	Paed.	Med.
Feb. 27 to Mar. 25,	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye	Paed.
Mar. 27 to Apr. 22,	Paed.	Med.	N. D.	Surg.	Gyn.	N. E. T.	Eye

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DEPARTMENTS AND METHODS OF INSTRUCTION

ANATOMY

PROFESSOR HAMANN

DR. TIERNEY

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations, recitations and quizzes. In order to facilitate the work in osteology, students of the first year are provided with separate portions of the skeleton, which they are permitted to take to their rooms for study. Two hours in recitations, and twelve hours for dissecting, until March 1st, in suitable periods weekly, are given to anatomy during the first year. Students are required to dissect all parts of the cadaver at least once. For demonstrations upon the cadaver and anatomical preparations the second year class is divided into a number of small sections, whose meetings take the form of anatomical conferences rather than of formal demonstrations. Each individual student thus has an excellent opportunity for becoming familiar with the various parts of the body, and for receiving direct personal instruction. Four hours a week are given to lectures and recitations in the second year and nine hours a week until March 1st to dissecting. In the third year instruction is given by lectures and recitations in applied anatomy.

HISTOLOGY, COMPARATIVE ANATOMY AND EMBRYOLOGY

PROFESSOR WAITE

DR. AUSTIN

HISTOLOGY AND MICROSCOPICAL ANATOMY

The course includes work upon the fundamental mammalian tissues, followed by the study of the finer anatomy of the mammalian organs. The material used is human tissue in large part, supplemented by tissues from other mammals. In the study of the organs the student first becomes acquainted with the macroscopic features in fresh material and then proceeds to the finer anatomy. All of the organ systems are studied and the student secures a general survey of each system, together with detailed knowledge of the

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component parts. The time allowance and equipment permits of a thorough course in this fundamental subject and prepares for the work in pathology, for which this course is a prerequisite. An essential part of the work is training in the standard methods of technique. Each student stains and mounts over two hundred sections which he later studies, describes and draws. He is required to carry a considerable number of tissues through all the steps of preparation, including removal from the animal, fixation by several methods, hardening, dehydration, infiltration, embedding in celloidin and in paraffin, sectioning, including serial sectioning, staining in toto, in sections and on the slide and mounting. The rapid preparation with the freezing microtome and the special methods for blood examination are also used. A student may elect to do additional work in this subject, the details to be arranged by conference.

The recitations supplement the laboratory work and aim to bring out those point which the student does not see in his sections. One recitation and six hours' laboratory work per week throughout the Freshman year.

COMPARATIVE VERTEBRATE ANATOMY

The aim of this course is to acquaint the student with the more important structural characteristics of the several classes of vertebrates, and also to prepare for the experimental work in physiology, The student dissects, as carefully as the time will allow, representatives of the different classes of vertebrates, and makes descriptive notes and drawing of these dissections. The lectures and recitations deal with the modifications of the several systems of organs in the vertebrate series and are supplementary to assigned reading in a standard text-book. Quizzes are held upon the dissection, lectures and assigned reading. This course or its equivalent is a prerequisite to the course in embryology. The student may elect to do additional work in this subject, the details to be arranged by conference. One lecture or recitation and six hours' laboratory work per week, first half Freshman year.

VERTEBRATE EMBRYOLOGY

This course is planned to instruct the student in the fundamental facts of vertebrate development. The laboratory work begins with a rapid study of cleavage and gastrulation in forms representing the fundamental conditions in these processes, followed by the study of the development of the chick to the end of the fourth day.

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The development of the pig is then taken as a favorable form for the study of mammalian ontogeny. In these two forms the development of external form, of the germ layers, organ systems, and the individual organs is taken up with as much detail as the time will allow. In the recitations emphasis is laid upon the development of the human embryo. The student may elect to do additional work in this subject, the details to be arranged by conference. One recitation and six hours' laboratory work per week, second half Freshman year.

PHYSIOLOGY

PROFESSOR MACLEOD
DRS. COBB AND HASKINS

The course of physiology extends over two years. During the first year the class meets five hours a week, the time being almost entirely occupied in practical laboratory work; in bio-chemistry during the first half of the session, and in experimental physiology, as studied on amphibians, during the latter half. These laboratory exercises are supplemented by lectures and quizzes.

Until March 1st, in the second year, six hours a week are devoted to the practical application of the more important experimental methods used in the study of the physiology of circulation, respiration, digestion, metabolism and excretion. These experiments are made on mammals.

After March 1st of this year two hours a week are spent in studying the experimental physiology of the nervous system and special senses; and in advanced bio-chemistry.

Throughout the first and second year, there are, besides the practical work, lectures and quizzes (one hour per week during the first year; in the second year, three hours a week until March 1st, one hour after March 1st). The lectures and quizzes throughout the course are arranged, as far as possible, to supplement the practical work, and during the latter part of the second year some of the lectures are devoted to the application of physiology to medicine. Examinations are held towards the end of each month on the month's work. Arrangements are also made by which the entire course in physiology can be taken in one year.

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CHEMISTRY

Students who are conditioned in chemistry upon entering the Medical School may remove these conditions by private work in the physiological laboratory. The schedule has been arranged so as to leave 240 hours for this work.

Besides this a special class is held in organic chemistry with special reference to those parts of the subject which are of interest from a biological and medical standpoint. The work of this class is conducted by lectures and quizzes and by demonstrations. No extra fee is charged for this class.

PHARMACOLOGY AND MATERIA MEDICA

PROFESSOR SOLLMANN

DR. BROWN

Thirty hours of lectures and recitations, and 110 hours of laboratory work in the Sophomore year; 60 hours of lectures and recitations in the Junior year.

The course in this department aims to give an exact knowledge of the actions and characters of drugs, by means of lectures, recitations, laboratory demonstrations and conferences, experimental work by the students, reviews and tests.

The study of the actions of drugs is based upon a critical resume of the experimental and toxicological data, and the application of these to the clinical uses of medicines. The laboratory work is made to precede the lectures.

The experiments are designed to bring out some important pharmacological principle, or to investigate the possible reactions of the important functions to drugs, or to illustrate important methods of pharmacological experimentation. By a careful selection of the drugs, all the more important facts of pharmacology are demonstrated.

The object of each exercise is explained in a preliminary conference, and attention is directed to the phenomena to be observed. The experiments are then performed by the students or demonstrated with the assistance of members of the class. The results are discussed informally at the next meeting, especial stress being laid on making proper deductions from the experimental data. The laboratory course therefore furnishes, by direct observation, a ground-plan of pharmacology, on which the book-study may be built up.

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For the latter, the drugs are arranged in groups, according to their pharmacologic affinities. A broad outline of the principal features of a group is given in a lecture. The subject is then assigned for study, and reviewed in recitations, when the details of the subject are developed. Review quizzes and written tests are given at intervals during the course.

The chemical and physical character of drugs and their preparation, and the methods of administration, are studied in connection with their actions. A collection of materia medica, comprising some 1500 specimens, is always accessible to students, and a familiarity with the appearance, etc., of the more important preparations is required for passing in the subject. Pharmacy and toxicological analysis are treated in so far as they are important to practitioners. Prescription-writing is taught by practical drills scattered through the course; these are designed to illustrate at the same time the methods of employing the drugs.

The regular course covers the entire subject to the extent which is deemed necessary for the general practitioner. In addition to this compulsory work, there are offered various optional courses, *e. g.* in pharmacy, toxicological analysis, abstracting of papers, preparation of theses, special lectures, and advanced laboratory work. Every encouragement and aid is given to original investigations.

The regular instruction is arranged as follows:

Sophomore Year: Pharmacognosy; Chemistry of vegetable principles; Metrology; General Pharmacy; Special Pharmacy; Dispensing; Incompatibility; General Toxicology; Toxicologic Analysis; Prescription Writing; Flavors; Irritants, Astringents and Corrosives; Alimentary Canal; Anthelmintics; Nutrients.

Further subjects covered by laboratory work and conferences: Blood; Absorption; Excretion; Drugs in Urine; Idiosyncrasy; Convulsants; Depressants; Muscle; Heart; Cardiac Nerves; Pulse; Blood Vessels; Glycosuria; Pupil; Glands; Anesthesia and Resuscitation; Blood Pressure; Respiration; Diuresis; Peristalsis; Mammalian Heart.

Junior Year: Lectures and recitations on the drugs acting after absorption.

The examinations for the entire course are given at the end of the junior year. The grades of the recitations and of the written tests are considered in the final grade. All tests must have been passed with a grade of at least 75, before a student can be examined. Attendance at four-fifths of the class hours is also required.

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PATHOLOGY

PROFESSOR HOWARD

PROFESSOR PERKINS, DRS. SCHULZ, BACON AND OCHS.

Instruction in this department is given by lectures, laboratory work, and demonstrations of fresh and prepared specimens. The most important feature of this course is the laboratory work done by each student.

BACTERIOLOGY. DR. PERKINS. Laboratory work in this course is given four half days a week from October 1 to Christmas in the Sophomore year. The subject is elucidated by informal lectures, demonstrations, and experiments on animals, as occasion requires. The student, after having prepared the various media required, is instructed in the principles of disinfection and sterilization, the bacteriological examination of air, water and soil, and the methods of cultivating, staining and studying bacteria. The pathogenic bacteria and various molds and yeasts are then studied. Altogether from thirty to thirty-five different micro-organisms are studied by each student. Students are trained in the employment of bacteriological methods in medical and surgical diagnosis, and those who prove themselves capable are permitted to pursue investigations along special lines, on subjects assigned them by the professor in charge.

PATHOLOGICAL HISTOLOGY. PROF. HOWARD, PROF. PERKINS AND DR. SCHULZ. The course comprises eleven hours a week of laboratory work for the last five months of the second year. It begins with the study of the various forms of tissue degeneration and necrosis. This is followed by the study of inflammation in the frog's mesentery and in sections of hardened tissue, showing all the various forms of inflammatory processes. The infectious granulomata are then taken up, and the forms and special characters of the reaction of the tissues to the specific organisms of infectious diseases are demonstrated. The study of the various pathological processes is based upon their ætiology, and in addition to human tissues, the material from the experiments on animals in the bacteriological course is used for this purpose. The effects of bacterial and other toxines upon the tissues is taught in the same manner. Tumors are next considered. Based upon the above as a ground work, the pathological histology of the various organs and systems is studied. The use of fresh frozen sections of material derived from autopsies, the operating room and animal experiments form an important feature of the course. Each student receives and is required to stain, mount, carefully study and draw about three hundred and fifty sections.

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DEMONSTRATIONS OF GROSS PATHOLOGICAL ANATOMY. PROFS. HOWARD AND PERKINS, AND DRS. SCHULZ, BACON AND OCHS. Demonstrations are made to second and third year students from the large amount of fresh material derived from autopsies and from the surgical and gynecological clinics. Students are required to handle and describe specimens and to make diagnoses from the gross appearances, the macroscopical diagnosis of tumors being an important feature. The hospital connections of the laboratory are such that students can be trained in making autopsies and in writing protocols of the lesions found.

GENERAL PATHOLOGY. PROFS. HOWARD AND PERKINS. Throughout the course lectures are given in connection with the laboratory work. In these lectures the various infectious diseases, immunity, the degeneration and regeneration of tissue, the ætiology of tumors, and the special pathology of the various organs and systems are considered.

ADVANCED AND SPECIAL WORK. A special room, well lighted and equipped, is provided for physicians and advanced students who wish to undertake special work in pathological histology, experimental pathology and bacteriology.

CLINICAL LABORATORY

DR. LADD

The new clinical laboratory at Lakeside Hospital is thoroughly equipped with all the necessary apparatus for making complete examinations of the various secretions and excretions, normal and pathological; the blood, urine, sputum, gastric contents, fæces, etc.

Microtomes for frozen sections and celloidin work and the various necessary stains and reagents are at the disposal of the students, they being required to apply the methods of technique taught in the laboratory in the study of special cases assigned to them in the hospital wards. A large room of the clinical laboratory is devoted exclusively to the fourth year class and the main lecture room is devoted entirely to the third year class, who are given systematic instruction throughout the session. The fourth year students are required to apply the knowledge thus gained in working up the cases assigned to them during the fourth year. Special rooms are equipped for the examination of sputum and making chemical tests; also a dark room is fitted up for doing polaroscopic and hæmoglobin work. A few rooms are available for the use of special workers, these rooms to be assigned at the discretion of the director of the laboratory. Microscopes and other instruments are available for the work in this department. The total laboratory capacity contains 2,600 square feet.

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CLINICAL MICROSCOPY. Work in this department will cover the third and fourth years. The third year work will comprise a systematic course, consisting of two laboratory exercises a week throughout the term, on blood, sputum, gastric juice, urine, fæces and pathological exudates.

The technique employed in doing paracentesis of the chest, abdomen and spinal canal; in taking throat, blood, bladder and uterine cultures as well as the further examination of the products obtained, will be carefully outlined.

The methods of preparing material obtained at the operating table for microscopical examination will be shown and each student required to do such work before the completion of his course. The object of this course is not only to cover the ground outlined above, but to prepare the student for independent work. In the fourth year the students will work in small groups in the room assigned to them and especially equipped for their use. They will receive no systematic instruction, but will work under the direction and control of the instructor. Their work will consist of the examination of urine, blood, sputum, gastric juice, fæces, and purulent and other discharges from their ward and dispensary cases, as well as of tumors and other material removed at operations. This work is obligatory, is done in connection with the students' own clinical cases, and is therefore thoroughly practical.

THERAPEUTICS

PROFESSOR DARBY

Three hours a week are devoted to Therapeutics during the third year. The teaching is done mainly by means of lectures and quizzes, designed to make the student familiar with all the resources of Therapeutics and enable him to make an intelligent and satisfactory use of them in his future work. Medicines are studied in groups based on their therapeutic affinities, and individually in their application to disease. Careful attention is paid to dosage, the time and mode of administration, influences and conditions which may modify their actions, the effect of toxic doses, the treatment of poisonings and of drug habits. Electrotherapy, Kinesitherapy, including Massage and Rest-Cure, Psychotherapy, including Hypnotism and Suggestion, Serotherapy, Hydrotherapy and Balneotherapy, Dietetics and Climatology are carefully studied in their relation to pathological conditions. The aim of the course is to give the student a thorough and practical knowledge of all the means and methods used in the "treatment and prevention of disease, which is the ultimate aim of all medical research."

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PHYSICAL DIAGNOSIS

PROFESSOR HOOVER

DRS. OSBORN, MERRIAM, SEASON, MOOREHOUSE, WAGNER, CARTER AND DARBY

Physical diagnosis is taught in the second and third years. During the second year the student is taught to recognize and elicit all of the physical phenomena of the circulatory and respiratory organs and abdominal viscera that are demonstrable by inspection, palpation and auscultation. Pathological cases are shown only as they are found necessary for the demonstration and explanation of physiological signs. At the end of the year each student is required to demonstrate the normal physical signs of the thorax and abdomen. During the third year physical diagnosis is taught from pathological cases. The students are required to demonstrate at every exercise, and are also given opportunity to practice in the dispensary and hospital wards. The final examination in this course is a practical one. Each student is required to examine a patient, describe the physical signs and make an eliminative physical diagnosis.

THEORY AND PRACTICE OF MEDICINE

PROFESSOR LOWMAN

PROFESSOR SAWYER

DRS. OSBORN, MERRIAM, SEASON, MOOREHOUSE, CARTER AND DARBY

The teaching of medicine is done in the third and fourth years. Lectures, largely clinical, are given to both classes, and the largest possible number of students make direct observation of the patients presented. It is found that very often the whole class can individually verify the conditions described by the lecturer, and this plan has proved of great advantage in the presentation of the cases. The third year class will receive two hours per week in text book work, in which internal medicine not provided for in special departments will be covered in recitation and discussion. The same class has three hours of clinics, and is assigned to the individual study of select dispensary cases. Clinical laboratory drill is made a decided feature of this year's work. In the fourth year the class is taught medicine by clinics, by drill in sections in the dispensary, by the assignment to ward cases, in connection with which the fullest use of the clinical laboratory will be insisted upon. Throughout the course thus outlined, the endeavor is made to develop not only the knowledge of diseases and their diagnosis, but also to thoroughly consider the use of remedies.

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SURGERY

PROFESSOR ALLEN
PROFESSOR BUNTS
PROFESSOR CRILE
DRS. BECKER, BRIGGS, HERRICK, LOWER AND BIRGE

Surgery is taught by means of lectures and demonstrations. During the second year two hours weekly, after March 1st, are devoted to the systematic instruction in the application of bandages, splints and in minor surgery. In addition to this the students are given practical drill, in sections, in the application of bandages and splints. During the third year the students receive two hours of lectures weekly upon the principles of surgery, and also section work in Charity Hospital Dispensary. A course of one hour a week is given in the taking of histories, the recording of cases with the surgical literature pertaining to them and in surgical diagnosis. The material from the dispensary at Lakeside Hospital is used for the latter course. Instruction is given one hour weekly on the subject of fractures and dislocations. There are at least four hours weekly devoted to clinics, and there is instruction of one hour weekly during a period of six months in genito-urinary surgery. A laboratory course has been arranged for instruction in addition to that given during the second year in the course on general pathology.

In this course students are taught to examine blood, and pus, to make cultures, to inoculate animals, to cut sections and make diagnosis of tumors and to perform personally all the laboratory work incident to the diagnosis of surgical cases. This course occupies, in conjunction with a similar course in clinical medicine, from four to six hours weekly during the entire year.

During the fourth year the student attends clinics six hours weekly. After January 1st, there is an additional clinic of one and a half hours weekly, in which instruction is given to sections of from four to six men. Optional clinics are given every Saturday afternoon from the beginning of the term until January 1st at the City Hospital. A course is also given in operative surgery, utilizing all means necessary for the best development of instruction in this department. Throughout the fourth year, also, the student is assigned cases for examination and diagnosis, upon which complete written reports are required. Provision is made in the clinical laboratory for the thorough examination of all of these cases by laboratory methods. The student is required to examine the blood, sputum, urine, fæces, to make sections and diagnosis of tumors and investigate in-

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fections, and to make exhaustive reports, under the supervision of especially appointed instructors or demonstrators, which shall be compared with those made by the clinical staff of the various hospitals. In addition to this the class is divided into sections for daily work in the dispensaries. Until January 1st, one hour weekly is devoted to surgical diagnosis. After January 1st this same hour is utilized for the purpose of quizzing the class upon the subjects presented at the surgical clinics. For the purposes of instruction the material is ample, clinics being given at Lakeside, Charity, St. Alexis and the City Hospitals.

OBSTETRICS

PROFESSOR POWELL

DRS. CLARK, THOMAS AND DICKENSON

Instruction in this course begins with the third and continues through the fourth year, two lectures a week throughout each year. The plan includes didactic lectures, quizzes, practical demonstrations and bedside instruction. Lectures are illustrated freely by charts, diagrams, models and operations upon the manikin. Students are required to become familiar with the use of the various obstetric instruments. The Senior class is divided into small sections and given practical work outside of schedule hours.

Each Senior student is expected to attend from three to five cases of labor under the supervision of the Professor of Obstetrics, or his assistant. The work of the class is chiefly practical.

The work of the Junior class is conducted by Drs. Clark and Thomas. Two hours per week, including recitations from text book and quizzes, are assigned for this purpose.

GYNECOLOGY

PROFESSOR ROBB

PROFESSOR HUMISTON

DRS. THOMAS, SUNKLE, WEIR, POVEY AND WILLIAMS

Gynecology is taught by a weekly didactic lecture, lasting one hour, and by supplemental quizzes during the third year; through the fourth year two hours a week are devoted to clinical instruction. The patients admitted to the wards of the Lakeside, Charity and City Hospitals for laceration of the perinæum and for vaginal, vesical, uterine, tubal and ovarian disease, will be shown either at the regular clinics in the amphitheatre or will be made the subjects of teaching at the bedside. Instruction will be given in the wards, so far as it is possible, upon the management of such cases during the period im-

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mediately following operation and during the period of convalescence. As a rule, each student will have an opportunity of performing some minor operation.

The work in the dispensary at Lakeside and Charity Hospitals will include history-taking and the ordinary methods of examination, the diagnosis and treatment of cases. This instruction is given daily during the school year to the students of the fourth year. For this work the class is divided into sections, so that each student can receive individual attention. Students in turn will be permitted to examine patients, and suitable cases will be operated upon before the class.

DERMATOLOGY AND SYPHILOLOGY

PROFESSOR CORLETT

DRS. HOLE AND GILL

Instruction in this department is given to the third and fourth year classes. Clinical lectures are given once a week to the third year students during a part of the college year. It is the endeavor to cover the rudiments of dermatology in these demonstrative lectures. When necessary lantern-slide plates and other illustrations are used to further elucidate the subject of diseases of the skin. During the course the class will be quizzed by the assistant in Dermatology.

The Senior class is divided into sections and given practical instruction in the clinics three times a week. Thus the common diseases of the skin, as well as many of the more rare forms, are studied and progress under treatment noted. Ample opportunity is given to apply dressings and each student is called upon to make diagnoses and outline courses of treatment under the immediate supervision of the instructor. Clinical material is abundant.

DISEASES OF THE NOSE, THROAT AND EAR

PROFESSOR INGERSOLL

PROFESSOR LINCOLN

DRS. CHAMBERLIN, ELSON AND GILL

Didactic lectures on these diseases are given once a week during the third year. Clinical instruction is given during the fourth year and consists in daily work in the dispensary of Lakeside Hospital. Each section of the class is in turn given personal instruction in the use of instruments for examination and operation and also in the diagnosis and treatment of the various cases.

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DISEASES OF CHILDREN

PROFESSOR CUSHING

DRS. THOMAS AND POPE

The instruction in this course, given in the fourth year, consists of a weekly clinical lecture and recitation, followed by a ward visit. Abundant illustrative material is obtained from the Lakeside Hospital dispensary and the children's ward.

OPHTHALMOLOGY

PROFESSOR MILLIKIN

DRS. BRUNNER, SHACKLETON, LARGE AND COGAN

The method of instruction is largely clinical with didactic teaching interspersed. It is given to the Senior class. The class is divided into sections, each one being assigned in rotation to cases for examination in the dark room. Each student will be given cases for special study, and is expected to make a report upon them before the class, and will be subject to quizzing by members of the class and the instructor. The aim is to teach the diagnosis and methods of treatment of the external diseases of the eye, and to give a working knowledge of the uses of the ophthalmoscope. The eye department has separate wards in Lakeside Hospital in which students have opportunities for seeing work at the bedside. The class will be divided into sections for instruction with the ophthalmoscope, and for daily work in the dispensary rooms during the year. This department has abundant facilities, appliances and material. A large "dark room" with ten lights, a Javal-Schiotz Ophthalmometer, a perimeter, test cases and ophthalmoscopes for practical ophthalmology are provided. A Haab's magnet has also been added to the equipment.

NEUROLOGY

PROFESSOR UPSON

DRS. SPENCE AND HUTCHINS

Instruction in this branch of medicine is clinical and occupies one hour a week throughout the fourth year. Cases from the wards of the Lakeside Hospital and from the Neurological Clinic of the Dispensary are used for demonstration. Through the courtesy of Dr. Howard the State Hospital at Newburg is made available, and the class is taken there for study of the typical cases of the various forms of insanity. In addition, the material of the City Hospital is utilized from the beginning of the school year up to January 1

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if necessary as a supplementary source of supply. In connection with the cases shown, the class is instructed in the use of the different forms of electric current in diagnosis and treatment, and in other diagnostic methods.

HYGIENE AND PREVENTIVE MEDICINE

PROFESSOR ASHMUN

Hygiene and Preventive Medicine are included in the fourth year, and will occupy two hours a week. In hygiene the course will include consideration of heredity; normal development of individuals and races; climatic and meteorological influences; the essentials and accessories to life and health; effects of habits of life and occupation; individual family and community sanitation.

The course in Preventive Medicine is given by lectures, conferences, theses by students on topics assigned. It includes consideration of the pathology, natural history, channels and means of dissemination, together with methods of limiting the spread of infectious diseases, the duties and powers of public officers of health; value and manner of keeping vital statistics; the relation and duties of the physician to the public in matters pertaining to the public health, etc.

MEDICAL JURISPRUDENCE

Throughout the first half-year, one lecture a week is given to the fourth year class on the subject of Medicine in its relations to the existing laws, and to the various decisions, which are rendered from time to time in important medico-legal cases. Taking up the question of real and apparent death, homicide, wounds, survivorship, identity, the determination of stains, feigned diseases, life insurance, etc., and considering in brief the relationship existing between the law and the practice of medicine.

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TEXT-BOOKS

Anatomy—Gray, Morris, Cunningham.

Histology and Microscopical Anatomy—Szymonowicz, or Stöhr.

Comparative Anatomy—Wiedersheim.

Embryology—Heisler, or McMurrich.

Bacteriology—Abbot, Lehmann and Neumann.

Physiology—Practical Physiology by various writers (Arnold, London); for reference, Stewart's Manual, the American Text-Book of Physiology, and Schäfer's Physiology.

Pathology—Delafield and Prudden.

Pharmacology and Materia Medica—Sollmann.

Therapeutics—Wood, Brunton, Bartholow, Shoemaker, Butler, Schmiedeberg.

Medicine—Wood & Fritz, Strumpell, Osler.

Surgery—American Text-book of Surgery, Koenig's Surgery, Warren's Surgical Pathology.

Gynecology—Diseases of Women (Dudley), An American Text-book of Gynecology (Baldy), A Text-book on Gynecology (Reed), Practical Gynecology (Montgomery), Hart and Barbour's Manual of Gynecology. Books of reference, Pozzi, Fritsch, Aseptic Surgical Technique (Robb).

Obstetrics—Williams, Hirst, Jewitt and Edgar.

Dermatology—Crocker, Hardway, Jackson, Morrow's System of Dermatology, Corlett's Acute Exanthemata.

Neurology—Church and Peterson, Dercum, Dana. Books of reference, Gowers, Berkley on Mental Diseases.

Ophthalmology—American Text-book, De Schweinitz, Swanzy, May, Haab's Ophthalmoscopy.

Nose, Ear and Throat—American Text-book, Kyle, Bacon, Buck, Coakley, Grayson, Knight, Dench.

Hygiene and Preventive Medicine—Stevenson and Murphy, Egbert, Abbott.

Physical Diagnosis—Vierordt's Medical Diagnosis.

Diseases of Children—Holt's Infancy and Childhood, Jacobi's Therapeutics of Infancy, Ashby and Wright.

Medical Jurisprudence—Taylor's (A. S.) Medical Jurisprudence, Taylor's (A. N.) The Law in its Relation to Physicians.

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EXAMINATIONS, 1905.

FIRST YEAR CLASS

Comparative Vertebrate Anatomy—Tuesday, February 7th.
Histology—Friday, May 26th.
Embryology—Saturday, May 27th.
Osteology—Monday, May 29.
Physiology—Wednesday, May 31.

SECOND YEAR CLASS

Bacteriology—Thursday, June 1.
Physical Diagnosis—Monday, May 22.
Anatomy—Tuesday, May 23.
Physiology—Practical, Wednesday, May 31, 8 to 11 a. m.; 1 to 4 p. m.
Physiology—Written and oral, Thursday, May 25, 8 a. m.
Pathological Anatomy—Wednesday, April 5th.
General Pathology—Friday, May 26th.
Minor Surgery—Saturday, May 27th.

THIRD YEAR CLASS

Therapeutics—Monday, May 22.
Pharmacology and Materia Medica, written and oral, Tuesday, May 23, 1:30 to 4:30 p. m.
Anatomy—Wednesday, May 24th.
Obstetrics—Thursday, May 25th.
Physical Diagnosis—Thursdays, May 11th to 25th.
Dermatology—Friday, May 26th.
Genito Urinary—Friday, May 26th.
Gynecology—Saturday, May 27th.
Clinical Laboratory—Tuesday, May 29th.
Medicine—Wednesday, May 31st.
Surgery—Thursday, June 1st.
Fractures and Dislocations—Thursday, June 1st.
Pathology—Friday, June 2.
Ear, Nose and Throat—Saturday, June 3.

FOURTH YEAR CLASS

Neurology—Monday, May 22.
Obstetrics—Tuesday, May 23.
Medicine—Wednesday, May 24th.
Physical Diagnosis—Thursday, May 25th.
Ophthalmology—Friday, May 26th.
Jurisprudence, Hygiene and Preventive Medicine—Saturday, May 27th.
Surgery—Monday, May 29th.
Pediatrics—Wednesday, May 31st, 2 p. m.
Gynecology—Thursday, June 1st.

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GENERAL INFORMATION

TERMS AND VACATIONS

The College session will open on October 1st, each year, unless this date falls on Sunday, in which case the opening shall be on October 2nd.

There will be a vacation of two weeks, during the Christmas holidays. There will also be a vacation of two days preceding Easter Sunday. No College exercises will be held on Thanksgiving Day, and the two days following, Washington's Birthday or Decoration Day.

SITUATION OF BUILDINGS

The Medical College stands at the corner of Erie and St. Clair Sts., about five minutes' walk from the center of the city, and easily accessible by the various street car lines.

The Lakeside Hospital fronts on Lake Street, corner of Muirson Street—five minutes' walk from the college. St. Vincent's Hospital (Charity) fronts on Perry Street, corner of Central Avenue. The Home of Maternity is on Woodland and Longwood Avenues. The St. Alexis Hospital is located at the corner of Broadway and McBride Street, and is reached by the Broadway car line. The City Hospital fronts on Scranton Avenue, and is reached by either Jennings Avenue or Pearl Street and Brooklyn cars. The Medical Library building is at 586 Prospect Street.

ENDOWMENTS

This College is indebted to the Perry-Payne Family for the valuable ground upon which its buildings have been erected, as well as for other generous assistance from time to time. In addition there are the following special funds:

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The John L. Woods Fund.
The H. B. Hurlbut Fund.
The John Huntington Fund.
The John A. Vincent Fund.
The H. Melville Hanna Fund.
The Leonard Hanna Endowment for the Chair of Clinical Microscopy.
The Henry Wilson Payne Endowment of the Department of Anatomy.
Dr. Adolph Cudell Memorial Library Fund.

It is also under a lasting bond of gratitude and obligation to other generous donors of funds for the erection of buildings, and the endowment and equipment of laboratories and dispensaries, who have permanently increased its resources and advantages to students of medicine.

THE H. M. HANNA RESEARCH FELLOWSHIP

This Fellowship has been founded by Mr. H. M. Hanna for encouragement of research in Physiology and Pathology, and is open to graduates of any medical school.

The occupant of the post will be expected to devote himself to original investigation in Physiology or Pathology in this college under the guidance of the Professor, who shall suggest a subject for research or approve one submitted by the Fellow himself. All applicants must produce evidence of fitness for engaging in such work.

The income of the Fellowship is about $600 a year. It is tenable, in the first instance, for one year, but a Fellow who has done exceptionally good work may be reappointed for a second term.

THE "HENRY WILSON PAYNE DEPARTMENT OF ANATOMY"

Recently the sum of $100,000 was donated to the University by Mr. H. Melville Hanna for the endowment of the "Henry Wilson Payne Department of Anatomy." This generous contribution to the college enables it by releasing

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other funds to apply a considerable amount of money towards improving the clinical teaching of the school. To this end a number of young men have been appointed to spend a considerable amount of time in the various hospital wards and elsewhere, in drilling the students individually in various departments of medicine. This enables the Faculty to put its clinical teaching on a basis comparable to that heretofore carried out in the laboratory departments.

LIBRARIES

The Free Public Library, over 200,000 volumes; Case Library, 50,000 volumes; Hatch Library, 50,000 volumes, and the library of the Cleveland Medical Library Association are accessible to students of this College, and, with the exception of the Hatch Library, are within a few minutes' walk of the Medical College. By special arrangement of the Faculty members of the Senior class may have the reading privileges of the Medical Library Association's books and journals during the year. This Library now has on its shelves more than 10,000 bound volumes, and one hundred and fifty Medical Journals are on file in the reading rooms. There are more than two hundred volumes of modern text-books and medical works. In addition there is a working library in the College itself, consisting of about 2,500 volumes.

LABORATORIES

ANATOMY.—The dissecting room is well lighted with electricity, heated and ventilated and provided with modern appliances. The anatomical rooms have about three thousand square feet of floor space. Anatomical material is preserved at all seasons of the year.

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HISTOLOGY, COMPARATIVE ANATOMY AND EMBRYOLOGY.—The laboratory is well lighted by a north, east and south exposure, and is equipped with electric light for use on dark days. Enough Leitz miscroscopes are owned so that each student has one for his individual use, available at all times. Individual lockers are provided. The material for study is furnished without cost to the student. There is a good equipment of microtomes, ovens, glassware, stains and reagents, and a rapidly growing collection of books, charts, models, and demonstration preparations.

BACTERIOLOGY.—The work in bacteriology is carried on in the pathological laboratory. Students are required to provide their own material for drawings. Miscroscopes, culture media and animals are provided without charge, and material for staining and mounting specimens, to be retained by students at cost. The laboratory has the benefit of excellent lighting with space for individual work.

PHARMACOLOGY.—The laboratories occupy the entire fourth floor of the main building and comprise a large room for lecturing and chemical work, another large room for demonstrations and experimental work, four commodious research rooms, animal and storage rooms, etc. The rooms are excellently lighted, and well equipped for the work, and comprise in all nearly 6,000 square feet.

PHYSIOLOGY.—This is located in a separate building connected with the college building by a gangway. There are three large well lighted rooms with a total floor space of six thousand five hundred square feet. Two of the rooms are set apart for the practical teaching of physiology and are thoroughly equipped for all the details of the course. The third room is for advanced and research work in biochemistry. Besides these laboratories, there are several smaller rooms for private research work and storage purposes, a lecture room, a dark room, a carpenter shop, etc.

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PATHOLOGY.—The pathological laboratory occupies the entire east second floor, two thousand four hundred square feet, and has in addition a special room for research work, a museum and a professor's room. The teaching laboratory room affords each student separate locker and ample table space. Apparatus, instruments and teaching material are provided without extra charge.

Besides the College laboratories there is a large three-story pathological laboratory in connection with Lakeside Hospital, and a pathological laboratory connected with Charity, the City and St. Alexis Hospitals, all of which are used for teaching purposes.

CLINICAL LABORATORY.—A clinical laboratory has been completed at Lakeside Hospital, of sufficient size to accommodate an entire class. This provides the students with greatly increased facilities for the examination of secretions and excretions, sputum, purulent and other infections, blood, urine, stomach contents, stools, etc., and permits them to make personal examinations of tumors and other pathological specimens. This work is a part of the regular instruction in the third and fourth years and greatly increases the efficiency with which the clinical work of these years is performed. Miscroscopes and other instruments are available for the work in this department.

MUSEUMS

Rooms in the College building are set apart for the preservation of anatomical and pathological preparations, casts and specimens. Persons not connected with the College who have specimens they wish preserved can place them in these rooms, with the owners' names attached and such histories, descriptions or remarks as they choose to give, respecting them. A very complete collection of Materia Medica is kept accessible to the students.

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HOSPITALS

LAKESIDE HOSPITAL.—Lakeside Hospital occupies a plot of ground four hundred feet long by three hundred and eighty feet deep, on the bank overlooking Lake Erie, about five minutes' walk from the College building. It affords accommodation for two hundred and fifty patients. The staff is composed of members of the Faculty of this College. The hospital has an amphitheatre seating about two hundred students for the surgical classes, and a smaller one with a seating capacity of over one hundred for the medical classes. On the third floor of the dispensary building are two lecture rooms, each capable of seating fifty to seventy-five students. There are eighteen resident assistants for the departments of surgery, gynecology, medicine, ophthalmology, children's diseases, pathology, etc. These positions are open to the graduates of this College, and afford great opportunities for practical work.

There has been erected a pavilion for infectious and contagious diseases, having four small wards, with every facility for the proper care and study of these diseases.

ST. VINCENT'S (CHARITY) HOSPITAL.—This is one of the oldest and best known institutions in the city and state. It has between seventy-five and one hundred beds. The staff is selected by the faculty, and the clinical material of the hospital is utilized for instruction in this College. There are six hospital positions open each year to the graduates of this College.

This hospital has just added a complete new wing for the accommodation of female patients. This has added sixty beds, besides operating pavilion and recovery rooms, to the capacity of this institution. A complete dispensary department is added in the basement of this wing, with all facilities for the care of out-door patients.

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ST. ALEXIS HOSPITAL, founded and controlled by the Sisters of St. Francis, contains 275 beds which are mostly occupied by acute cases. The Hospital has lately been very much enlarged by the addition of several modern public and private wards and a small pathological laboratory. Students of this school enjoy the privileges of instruction in the wards and amphitheatres of this hospital. Graduates of this school are eligible to appointment, by competitive examination, to medical, surgical and pathological residentships.

CITY HOSPITAL.—This institution is under municipal control. It accommodates one hundred and fifty to one hundred and seventy-five patients continually in the adult department and has a new building for children, with one hundred beds, besides operating rooms, pathological laboratory, etc. From September to January regular clinics in medicine, gynecology, surgery, neurology and cutaneous and venereal diseases are given here by members of this faculty. The insane department of this hospital affords material for clinical instruction in mental diseases. Frequent autopsies are held and abundant material for pathological demonstrations obtained. The resident staff is selected by competitive examination, and the students of this College are eligible.

ST. ANN'S MATERNITY HOSPITAL AND FOUNDLING ASYLUM.—During 1901 a long desired change was made at the St. Ann's Maternity Hospital and Foundling Asylum. The old institution located on Marion Street was vacated to supply more space to St. Vincent's Hospital. The Severance homestead at the corner of Woodland and Longwood was purchased and remodeled and formally opened to carry on the work in a new location.

St. Ann's Maternity Hospital affords abundant opportunity for the study of the physiology, mechanism and management of labor at the bedside. Graduates of our college are appointed as residents.

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CLINICAL FACILITIES

The clinical facilities of this College comprise, throughout the course, the two hundred and fifty beds at Lakeside Hospital, one hundred and forty beds of Charity Hospital, the Dispensaries at Lakeside and Charity Hospitals, and the Tuberculosis Dispensary at the College building, nearly three hundred beds of St. Alexis Hospital, the Maternity and Children's Home, and two hundred and seventy-five beds of the City Hospital during four months of each year.

RESIDENT PHYSICIANS

From twenty-five to thirty resident positions are open to the graduates of the College in the hospitals of this city, and additional posts in the hospitals of several cities adjacent to Cleveland. Of the class graduating in 1904, twenty-nine men, or 93.54%, received hospital appointments. The large number of hospital and other valuable medical posts assures a high percentage of such appointments from each graduating class.

HOSPITAL SERVICE

LAKESIDE HOSPITAL STAFF

Medicine—Drs. H. H. Powell, J. H. Lowman, H. S. Upson, E. F. Cushing.

Surgery—Dr. D. P. Allen; Dr. G. W. Crile, Associate.

Ophthalmology—Dr. B. L. Millikin.

Gynecology—Dr. H. Robb.

Dermatology—Dr. W. T. Corlett.

Pathology—Dr. W. T. Howard, Jr.

CHARITY HOSPITAL STAFF

Consulting Physicians—Drs. G. C. Ashmun, B. W. Holliday, J. H. Lowman.

Consulting Surgeons—Drs. G. C. E. Weber and D. P. Allen.

Consulting Ophthalmologist—Dr. B. L. Millikin.

Consulting Dermatologist—Dr. W. T. Corlett.

Consulting Gynecologist—Dr. H. Robb.

Visiting Physicians—Drs. J. H. Lee, J. E. Cook, J. P. Sawyer, T. A. Burke.

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Visiting Surgeons—Drs. F. E. Bunts and C. A. Hamann.
Visiting Gynecologist—Dr. W. H. Humiston.
Visiting Ophthalmologist—Dr. W. E. Bruner.
Pathologist—Dr. W. T. Howard, Jr.

HOME OF MATERNITY

Obstetrics—Dr. H. H. Powell.

CONSULTING STAFF AT CITY HOSPITAL

Medicine—Drs. J. H. Lowman, J. E. Darby and C. F. Hoover.
Surgery—Drs. D. P. Allen and F. E. Bunts.
Obstetrics—Dr. H. H. Powell.
Neurology—Dr. H. L. Spence.
Gynecology—Dr. W. H. Humiston.
Dermatology—Dr. W. T. Corlett.
Pathology—Dr. W. T. Howard, Jr.
Ophthalmology—Dr. C. C. Stuart.
Laryngology—Dr. J. M. Ingersoll.

VISITING STAFF

Drs. C. A. Hamann and H. G. Wagner.

DISPENSARIES

Free Dispensaries are maintained at Lakeside and Charity Hospitals with daily service except Sundays and holidays. These college dispensaries were established on the Hurlbut and Huntington Funds and afford treatment to about ten thousand new cases annually.

There has just been established in the College building a Dispensary for Tuberculosis, where this important class of cases can be efficiently taken care of. In connection with the Visiting Nurses Association and the Associated Charities Organization of the city this service will be in position to do effective work and will add much to the value of the medical instruction in this school.

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LAKESIDE HOSPITAL SERVICE

Medicine—Dr. J. H. Lowman, Director; Drs. E. H. Season, G. W. Moorehouse, E. P. Carter and John C. Darby, Physicians in Charge; Drs. W. S. Hobson and P. W. Cobb, Assistants.

Surgery—Dr. D. P. Allen, Director; Drs. H. A. Becker, Chas. E. Briggs, and R. H. Birge, Surgeons in Charge.

Obstetrics—Dr. H. H. Powell, Director; Dr. J. Dickenson, Jr., Obstetrician in Charge.

Diseases of Children—Dr. E. F. Cushing, Director; Drs. J. J. Thomas, and C. Pope, Physicians in Charge; Dr. C. B. Colver, Assistant.

Gynecology—Dr. H. Robb, Director; Drs. R. H. Sunkle, W. H. Weir, G. Povey and Charles D. Williams, Gynecologists in Charge.

Nervous Diseases—Dr. H. S. Upson, Director; Dr. H. L. Spence, Neurologist in Charge; Dr. F. C. Hutchins, Assistant.

Ophthalmology—Dr. B. L. Millikin, Director; Dr. W. E. Bruner, Ophthalmologist in Charge; Drs. Wm. E. Shackleton, S. H. Large and J. E. Cogan, Assistants.

Dermatology and Syphilis—Dr. W. T. Corlett, Director and Physician in Charge; Drs. C. M. Hole and W. C. Gill, Assistants.

Diseases of Nose, Ear and Throat—Drs. J. M. Ingersoll and William R. Lincoln, Surgeons in Charge; Drs. Wm. B. Chamberlin, I. A. Elson and W. E. Gill, Assistants.

CHARITY HOSPITAL SERVICE

Medicine—Dr. J. P. Sawyer, Director; Drs. W. O. Osborne and W. H. Merriam, Physicians in Charge.

Surgery—Dr. F. E. Bunts, Director; Drs. Fred C. Herrick and J. Dickenson, Jr., Surgeons in Charge.

Gynecology—Dr. W. H. Humiston, Director; Dr. O. T. Thomas, Gynecologist in Charge.

Ophthalmology—Dr. Wm. E. Bruner, Director; Dr. C. C. Stuart, Assistant in Charge.

HOME OF MATERNITY

Obstetrics—Dr. Hunter H. Powell, Director; Drs. J. J. Thomas and E. O. Houck, Visiting Obstetricians; Drs. A. S. Storey and A. A. Jenkins, Assistants.

TUBERCULOSIS DISPENSARY

Dr. J. H. Lowman, Director; Dr. G. W. Moorehouse, Secretary of Dispensary; Drs. H. L. Sanford and J. H. McHenry, Physicians in Charge; Dr. C. J. Wehr, Visiting Physician; Elizabeth Ujohn, Directing Visiting Nurse.

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DISPENSARY AND HOSPITAL APPOINTMENTS

Students who have completed the third year, remaining in the city during the summer, may be appointed for practical work in the Dispensaries, in sections, by applying to the Dean. Members of the same class may also secure the opportunity for practical work in the various Hospital Wards during the summer, or as substitutes on the Resident Staffs.

EXPENSES

The fees are $125 a year. This amount includes payment for tuition and all laboratory expenses, except the price of anatomical material, breakage and use of oil immersion miscroscopes, and is due before October twentieth of each year. Students who prefer may pay $75 by October twentieth, and $55 by March fifteenth of the college year. No student will be permitted to present himself for examination in any branch who has not paid all dues and liabilities. Students who wish to pay for the entire four years' course by October twentieth of their first year, will be allowed a reduction of $50 on the whole amount. A deposit of $2 is required from students in each of the laboratories at the outset, in addition to the tuition fee, to cover breakage. The unused balance of such deposit is returned at the end of the session. A rental of $5.00 per year will be charged for the use of oil immersion microscopes, the students having full use of these instruments during their entire year. Students who prefer may furnish their own miscroscopes.

Students in Adelbert College taking work in the Medical Department will be charged a laboratory fee in each department, the total fees in no case to exceed the difference between the fees of Adelbert College and the Medical College.

Beginning with Commencement, 1906, a graduation fee will be charged.

Good board can be procured at from three to five dollars a week, and furnished rooms at from five to ten dollars a

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month. By forming "clubs" students are able to bring their living expenses considerably below these prices. The janitor at the College building keeps a list of boarding houses for the convenience of students. By reason of the central location of the College, together with excellent street car service, students may live in any part of the city without serious inconvenience in meeting their appointments.

The cost of necessary books and instruments will average $25 per year. Thus the total *necessary expense,* including tuition, anatomical material, books, instruments and board and room for the college year, need not exceed $325. The outlay for clothing, traveling expenses and incidentals depends entirely upon the individual.

By an arrangement with Goodrich House, which stands within one block of the College, a gymnasium, with bathing accommodations, is available to the students at a very small cost. At the Y. M. C. A. building, which is near, similar opportunities are afforded. The students of the Medical Department are members of the Athletic Association of the University, and as far as their time will permit may take part in all branches of athletics on equal terms with students of other departments of the University.

POST-GRADUATE AND SPECIAL INSTRUCTION

Courses of post-graduate and special instruction for physicians and special students will be offered in the various laboratories, commencing about June 1st and lasting from three to six weeks.

PHYSIOLOGY. DR. P. W. COBB. A course of practical physiology, based on the text-book of Practical Physiology used in the regular course. Six half-days a week for six weeks. Fee, $20.00. A fee of $5.00 to defray the cost of animals is divided by each set of four.

This course covers the entire work of the first year in the regular class. By taking the course and passing the examination, the student may obtain advanced standing in Physiology. (See p. 167.)

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PHARMACOLOGY. DRS. T. SOLLMANN and E. D. BROWN. This course will be identical with that given in the pharmacological laboratory during the regular session. It comprises experiments on mammals and frogs, as well as chemical work. Fee, $25.00.

Research work may be begun at any time during the year. No fee is charged to competent investigators, beyond the actual cost of material.

PATHOLOGICAL ANATOMY. DR. OSCAR SCHULZ. In this course both gross and histological pathological anatomy will be studied. General problems, such as degeneration and necrosis, inflammation, the infectious granulomota, and tumors will be considered first, after which the special pathological anatomy of the various organs will be studied. The laboratory is well supplied with material for the course, which will be entirely practical, the students doing their own staining and mounting. They will be given such further botanical training as they may desire. The class will meet six half-days a week for six weeks. Fee, $30.00.

CLINICAL MICROSCOPY. DR. L. W. LADD. This course will include the various methods of examining blood, sputum, urine, fæces, gastric contents, pathological exudates, and in general, the application of the microscope to the diagnosis and the other aspects of clinical medicine. The class will meet three times a week for a period of two hours each meeting, for six weeks. Fee, $30.00.

HISTOLOGY AND EMBRYOLOGY. DR. J. B. AUSTIN. Work will be offered to cover part of the laboratory work in each subject and is designed primarily for students who apply for advanced standing, not having completed as much work in these subjects as is done here, and who may wish to make up the deficiency in order to enter free of condition in these subjects. The work will be given in the forenoons. Fee, $25 for either subject.

For further information apply to the instructors in the various courses.

Graduates in medicine may also arrange for courses of clinical instruction in medicine, surgery and the various specialties during the same period by applying to the Dean of the College, or to the men in charge of the various departments.

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PUBLIC LECTURES ON PROBLEMS OF SCIENTIFIC MEDICINE

The Faculty of the Medical College of Western Reserve University announces a series of advanced lectures on current problems of medical science. It will be the object of each course to take up a circumscribed topic, treating rather exhaustively and critically the special literature, the experimental and clinical data, the theories, current opinions, unsolved problems and the general outlook of the subject. Special stress will be laid on the personal observations of the lecturers, and on the bearing of the results on medical practice.

Each course will consist of eight monthly evening lectures, delivered at the Medical College, from October to May inclusive. The fee for each course has been fixed at $5.00; students of the College will be admitted free.

The following courses were started in October, 1904:

COURSE I. *Dr. J. J. R. Macleod.* Two topics will be treated, about five lectures being assigned to the first, and the balance to the second subject.

The second Thursday of each month, at 7:45 P. M.

A. THE FATE OF SUGARS IN THE ORGANISM: THE CHEMICAL PATHOLOGY OF DIABETES MELLITUS.

The digestion and absorption of carbohydrates; glycogenic function of the liver; Bernard's discovery; glycogen in other organs and tissues; fate of glycogen; derivation of glycogen from foods other than carbohydrates; true and pseudo-glycogen builders. The control of the nervous system over the percentage of sugar in the blood; how this percentage is normally kept at a constant level. Experimental diabetes—pancreatic, phloridzin, and other drugs; influence of pancreas on the combustion of sugars. Diabetes mellitus; percentage of sugar excreted with different diets; due to want of decomposition of sugar molecule; evidence of deficient tissue oxidation. Diabetic coma. Remarks on treatment.

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B. MODERN VIEWS CONCERNING THE MECHANISMS OF DIGESTION.

General consideration of mechanism of action of the digestive glands; mechanism peculiar to the salivary, gastric and intestinal glands, the pancreas and liver; psychic influences; chemical influences; the inter-relation of the different glands; deglutition; the movements of the stomach and intestines; the absorption of proteids, fats and carbohydrates.

COURSE II. *Dr. T. Sollmann.* THE MECHANSIM OF URINE FORMATION, NORMALLY AND IN DISEASE.

The fourth Thursday of each month, at 7:45 P. M.

Historical sketch of the theories of urine formation; mechanical factors in urine formation; filtration and circulation phenomena; functions of the glomeruli; of the tubules; reabsorption theories; excretion of the several constituents; occlusion of the ureters; explanation of vital secretion; diuretics; renal poisons; albuminuria; renal glycosuria; diagnosis of urine; uremia; synthetic processes in kidney; internal secretion; nephrotoxic sera; comparative physiology of kidneys in different classes of animals.

It is intended to offer two other courses during the ensuing year. The topics and lectures will be announced later.

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THE FRANKLIN T. BACKUS LAW SCHOOL

HISTORICAL STATEMENT

THE Franklin T. Backus Law School of Western Reserve University was founded in the year 1892. Its first class entered the school in September of that year. During the first two years it was located in rented quarters at the corner of Euclid Avenue and Adelbert Street. In the fall of 1894 the school was removed to temporary quarters in Adelbert Hall, where it remained for two years. In 1896 the stone building now occupied by the school was erected. It contains, in addition to large halls, four rooms of equal size, twenty-five by forty feet, inside measurement. One of these rooms is fitted up for a library and reading room, and the other three are used for recitation work. Each recitation room is furnished with individual tables so constructed as to enable the students to take notes with as little inconvenience as possible. The basement is furnished with toilet, locker and smoking rooms. Each student is furnished a locker for the keeping of his coat, books, etc. The building is so constructed as to allow the erection of a large addition whenever the needs of the school shall require it.

In 1892 the library numbered about five hundred volumes. Today it is one of the largest law school libraries west of New York, containing practically all reports of American and English courts of last resort.

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In 1892 nine lectures a week were given; now there are given fifty lectures a week, and the number of the members of the faculty has grown from five to sixteen.

When the school was first opened candidates for a degree were required to have but little more than a common school education. Nearly all the law schools in the country, including some of the oldest and most prominent, demanded no more. In 1900 the requirements of candidates for a degree were raised to the requirements for entering college.

In 1892 the school had an attendance of twenty students; in 1904-5 the enrolment is one hundred and twenty-six.

In 1893 Mrs. Franklin T. Backus, of Cleveland, Ohio, provided an endowment for the school and the name of the school was then changed from the "Law School of Western Reserve University" to the "Franklin T. Backus Law School of Western Reserve University" in honor of a man who, during his life, was one of the leaders of the Ohio bar and who always took the deepest interest in all matters pertaining to legal education.

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FACULTY

CHARLES F. THWING, D. D., LL. D., 55 Bellflower Av.
President.

*CHARLES ELLIOTT PENNEWELL, 1254 Willson Av.
Professor of the Law of Real Property.

EVAN HENRY HOPKINS, A. B., LL. B., 84 Miles Av.
Professor of the Law of Contracts, Trusts and Equity Jurisdiction, Dean of the Faculty.

HENRY CLAY WHITE, A. M., 344 Harkness Av.
Professor of the Law of Wills and Estates.

HOMER HOSEA JOHNSON, A. M., LL. B., Overlook Road.
Professor of the Law of Corporations.

ALEXANDER HADDEN, A. B., 1670 Lexington Av.
Professor of the Law of Crimes, Criminal Procedure, and Damages.

ARTHUR ADELBERT STEARNS, A. M., 87 Oakdale St.
Professor of the Law of Suretyship and Mortgage.

JAMES LAWRENCE, A. B., 709 Genesee Av.
Professor of Constitutional Law.

ALFRED G. CARPENTER, A. M., LL. B., 125 Streator Av.
Professor of the Law of Pleading and Practice.

PAUL HOWLAND, A. M., LL. B., 1174 Willson Av.
Professor of the Law of Pleading and Partnership.

HENRY BARDWELL CHAPMAN, A. B., LL. B., East Cleveland.
Professor of the Law of Bills and Notes and Evidence.

FRANCIS RUFUS HERRICK, A. B., 449 Russell Av.
Professor of the Law of Torts.

CLAYTON KING FAUVER, Ph. B., LL. B., 727 Case Av.
Instructor of the Law of Torts, Sales and Real Property.

*Died November 3rd, 1904.

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ROLLIN ABBOTT WILBUR, LL. B., 820 Fairmount St.
Instructor of the Law of Contracts, Carriers, and Suretyship and Mortgage.

JAMES ALBERT FORD, A. B., LL. B., 126 Ingleside Av.
Instructor of the Law of Personal Property and Pleading.

FRANK MACMILLAN COBB, A. B., LL. B., 2509 Euclid Av.
Instructor of the Law of Agency.

HAROLD REMINGTON, A. B., 425 Rosedale Av.
Lecturer on the Law of Bankruptcy.

HARRY TRACY DUNCAN, A. B., LL. B., 78 Fifth Av.
Presiding Officer of Moot Court.

FRANCIS L. TROWBRIDGE, 84 Miles Av.
Librarian.

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STUDENTS

THIRD YEAR CLASS

Eugene Clare Caldwell, A. B., Adelbert, 1902.	*Warren*	31 Nantucket.
Homer Charles Campbell, A. B., Adelbert, 1903.	*Akron*	21 Chapman St., E. C.
Edward Joseph Cherney, Denison, 1901-1902.	*Cleveland*	57 Woodland Ct.
Norman Taylor Clyne,	*Cleveland*	309 Franklin Av.
Richard Emmet Collins, Ph. B., Adelbert, 1902.	*Cleveland*	1934 Woodland Hills Av
Maurice Wilbur Crafts, Ph. B., Kenyon, 1902.	*Auburn*	134 Murray Hill Av.
George Elwood Hartshorn, B. L., Denison Univ., 1902.	*Newark*	131 Murray Hill Av.
John Henry Hogg,	*Glenville*	2638 St. Clair St.
Clyde Thompson Kirkbride, Mt. Union, 1900-1901.	*Deerfield*	131 Murray Hill Av.
Walter Albert Laughren,	*Cleveland*	1571 Woodland Av.
Kline Fetterman Leet, Ph. B., Mt. Union, 1899.	*Cleveland*	20 Lake View Av.
James Metzenbaum,	*Cleveland*	1117 Case Av.
Charles Augustus Morris, A. B., Adelbert, 1902.	*Cleveland*	189 West Madison Av.
George Arthur Phillips, A. B., Oberlin, 1902.	*Chardon*	3 Scranton Terrace.
Carl Adolph Riemenschneider, Adelbert, 1901-1902.	*Cleveland*	161 Beechwood Av.
Edward Henry Sensel, A. B., Adelbert, 1902.	*Cleveland*	124 Putman St.
John William Smith, A. B., Ohio Wesleyan, 1902.	*Cleveland*	3033 Euclid Av.
Ralph Rensselaer Snow, A. B., Bucknell, 1894.	*East Cleveland*	55 Belmore Rd.
Loren Edmunds Souers,	*New Philadelphia*	Cedar and Watkins.

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George Alonzo Waddle, *Brilliant* 131 Murray Hill Av.
A. B., Bethany, 1900.

Owen N. Wilcox, *Cleveland* 59 Olive St.
B. L., Adelbert, 1902.

James Victor Wolcott, *East Cleveland* 72 Grasmere St.
Adelbert, 1901-1902.

Lawrence Emanuel Yaggi, *Alliance* 20 Lake View Av.
Mt. Union, 1899-1902.

TOTAL THIRD YEAR, 23.

SECOND YEAR CLASS

James Lyman Amerman, *Alliance* 33 Vienna St.
Mt. Union, 1900-1903.

Dwight Spencer Anderson, *Cleveland* 1055 Detroit St.
Ohio State Univ., 1902-1903.

John Clayton Barkley, *Phalanx Sta.* 1406 Lexington Av.
A. B., Allegheny, 1903.

Maurice Bernstein, *Cleveland* 645 Woodland Av.

Alvin L. Boehmer, *Ft. Jennings* 165 Streator Av.
Univ. of Cincinnati, 1903-1904.

John W. Camp, *Salem,* 94 Roselle Av.

Edward Perrin Cole, *West Middlesex, Pa.*
A. B., Oberlin, 1903. 130 Murray Hill Av.

Albert Franklin Counts, *Sidney* Adelbert Hall.
A. B., Adelbert, 1904.

Walter LeRoy Flory, *Newark* 131 Murray Hill Av.
B. L., Denison, 1903; Yale, 1903-1904.

Arthur Henry Hill, *Richfield* 1 Arey Av.

Walter Scott Jackson, *Lima* 130 Murray Hill Av.
A. B., Kenyon, 1903.

Samuel Kabatchnick, *Cleveland* 52 Brookdale St.

Auverne Selwyn Mann, *Warren* 3 Bennington St.
A. B., Adelbert, 1904.

Roy Ryburn Moffet, *Cleveland* 715 N. Logan Av.
Ph. B., Adelbert, 1902.

John Roscoe Morgan, *Oak Hill* 130 Murray Hill Av.
A. B., Oberlin, 1903.

Charles Edward Moyer, *Andover* 234 Linwood Av.
Univ. of Michigan, 1902-1903.

William Thomson Nimmons, *Lincoln, Kas.* 127 Murray Hill Av.
Adelbert, 1901-1903.

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Bernard Edmund O'Connor, St. Gregory's Seminary, 1900.	*Lima*	4 Streator Pl.
John Henry Aloysius O'Connor, St. Gregory's Seminary, 1901.	*Lima*	4 Streator Pl.
Frank Herson Pelton, A. B., Adelbert, 1904.	*Willoughby*	Adelbert Hall.
Herbert Allen Quayle,	*Cleveland*	290 Sibley St.
Glenn Van Horn Saltzgaber, University of Tennessee, 1900-1901.	*Van Wert*	1946 Doan St.
Ernest Laughlin Skeel, A. B., Ohio Wesleyan, 1903.	*Cleveland*	95 Adelbert St.
Harris Cooper Shannon, A. B., Harvard, 1903.	*Wakeman*	2298 Euclid Av.
Maurice Vinton Semple, Adelbert, 1902-1903.	*Ashland*	156 Murray Hill Av.
Clayton Williamson Tyler.	*Lakewood*	25 Grace Av.
Schuyler James Wallace, Ph. B., Mt. Union, 1903.	*Northfield*	Northfield
Joseph Frank Williams, A. B., Adelbert, 1904.	*Youngstown*	140 Cornell St.
Don John Young,	*Norwalk*	130 Murray Hill Av.

TOTAL SECOND YEAR, 29.

FIRST YEAR CLASS

Morris Ackerman,	*Cleveland*	Adelbert Hall.
Cary Rudolph Alburn, Adelbert, 1901-1904.	*Kyles Corners*	201 Adelbert St.
Wallace Farmer Andrews, A. B., Oberlin, 1903.	*Ada, Minn.*	117 Adelbert St.
Louis DeCamp Barr, Ohio Wesleyan, 1902-1904.	*Mansfield*	1812 Doan St.
John Witmer Blackburn, Adelbert, 1900-1904.	*Wellsville*	1951 Doan St.
Erwin Carl Braun, B. L., Ohio Wesleyan, 1904.	*Lorain*	95 Adelbert St.
Walter Baldwin Carnes, Adelbert, 1901-1904.	*Lima*	201 Adelbert St.
Clarence Amasa Chandler, Cornell, 1902-1903; Case School, 1903-1904.	*Pittsburgh*	The Hadden.
Edward Richard Conway,	*Cleveland*	12 Wade Av.

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Walter Henry Cook, Adelbert, 1901-1904.	*Cleveland*	29 Carlyon Rd., E. C.
Herbert Frederick Counts,	*Sidney*	Adelbert Hall.
Jacob Dolson Cox, Jr., A. B., Williams, 1903.	*Cleveland*	925 Euclid Av.
Cleaveland Rosella Cross, A. B., Oberlin, 1903.	*Oberlin*	University School.
Arthur Benedict Crotty, St. Ignatius, 1900-1904.	*Cleveland*	36 Alanson St.
William Jay Dawley, A. B., Adelbert, 1904.	*Cleveland*	14 Granger St.
Arthur Raymond Edgerton, A. B., Oberlin, 1904.	*Brecksville*	Hiram House.
William Tecumseh Elwell,	*Cleveland*	1917 Detroit St.
Isador Samuel Epstein,	*Cleveland*	201 Wade Av.
William Harvey Fahrenbach,	*Lakewood*	264 Highland Av.
Claude Eugene Faulhaber, Case School, 1902-1904.	*Cleveland*	Lake Av.
George Nathaniel Forbes, Adelbert, 1901-1904.	*Bedford*	101 Halsey St.
Charles James Ford, A. B., Oberlin, 1904.	*Geneva*	117 Adelbert St.
Horatio Ford, A. B., Yale, 1904.	*Cleveland*	2464 Euclid Av.
George Albert Harwood Gardner,	*Cleveland*	14 Hough Pl.
Louis LaGrange Gerstenberger, Adelbert, 1902-1904.	*Cleveland*	190 Oakdale St.
Thomas Edward Greene, Jr., Case School, 1902-1904.	*Ashtabula*	305 Bell Av.
Seymour Guthman,	*Youngstown*	30 Nantucket St.
Stanley Abner Hackett, Oberlin, 1902-1904.	*Norwalk*	280½ Streator Av.
Lambert Mason Heffner,	*Canton*	203 Adelbert St.
Grover Cleveland Hosford,	*Cleveland*	280½ Streator Av.
Paul Shaw Knight, A. B., Ohio Wesleyan, 1904.	*Cleveland*	16 Birchdale St.
Alexander Sanders Kraus,	*Cleveland*	3 Becker St.
Eugene Tullius Lippencott, A. B., Ohio Wesleyan, 1904.	*Lima*	1812 Doan St.

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Leonard Corwin Loomis, A. B., Adelbert, 1904.	*Cleveland*	1280 Willson Av.
Howard Edward MacGregor,	*Springfield*	1812 Doan St.
James Jefferson McCall, A. B., Ohio Northern, 1908.	*Canton*	168 Streator Av.
Budd Noble Merrills, Adelbert, 1901-1904.	*Wickliffe*	102 Adelbert St.
William Rose Miller, Case School, 1902-1904.	*Cleveland*	35 Billings Av.
Walter George Miser, Adelbert, 1901-1904.	*Anapolis*	101 Halsey St.
Ralph Christopher Murphy,	*Cleveland*	90 Liberty St.
Frederick Early Pfeiffer, Ph. B., Adelbert, 1904.	*Kenton*	59 Mayfield St.
Grover Cleveland Rice,	*Lodi*	2192 Doan St.
Walter Lawrence Robison, Adelbert, 1901-1904.	*Cleveland*	5 Hayward St.
Walter Howard Seagraves, Ph. B., Yale, 1904.	*Toledo*	153 Cornell St.
Jacob Singer,	*Cleveland*	13 Berg St.
William Ernest Singer, Adelbert, 1901-1904.	*Weston*	156 Murray Hill Av.
Lawrence Caleb Spieth, A. B., Leland Stanford, 1904.	*Cleveland*	17 Hough Pl.
William Henry Steinbrenner,	*Cleveland*	92 Kinsman St.
Joseph Suffinsky,	*Cleveland*	35 Sanford St.
Joseph Walworth Sutphen, Case School, 1902-1904.	*Cleveland*	757 Prospect St.
Charles Sumner Sutton,	*Cleveland*	491 Central Av.
Archibald Robert Temple, Mt. Union, 1901-1904.	*Alliance*	173 Streator Av.
Jesse Paul Thompson, A. B., Ohio Wesleyan, 1904.	*Jewett*	142 Cornell St.
Earl Lytton Triffit, A. B., Wooster Univ., 1904.	*Lodi*	1812 Doan St.
James Leon Vaughn,	*Brecksville*	108 Commodore St.
Charles Saul Wachner, Adelbert, 1901-1904.	*Akron*	89 Woodland Ct.
Harvey Overholt Yoder, B. S., Ohio Wesleyan, 1903.	*Wadsworth*	45 Fairchild St.

TOTAL FIRST YEAR, 57.

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SPECIAL STUDENTS

Charles Enoch Alden, A. B., Hiram, 1901.	*Cleveland*	70 Halsey St.
Orlando Raymond Barnes, A. B., Ohio Northern, 1900.	*Payne*	168 Streator Av.
Edgar Henry Baker,	*Zanesville*	35 Nantucket St.
William Edward Chapple,	*Sylvania*	Sylvania.
Staney Frank Dembowski,	*Cleveland*	36 Colley St.
Kenneth Ray Derby,	*Henrietta*	173 Streator Av.
Albert Irving Doerr,	*Erie, Pa.*	1 Arey Av.
James Bernard Fagan,	*Empire*	1 Arey Av.
John D. Fackler, A. B., Wooster Univ., 1900; Harvard Univ., 1900-1901.	*Glenville*	66 Victoria Av.
Elden James Hopple, Heidelberg Univ., 1901-1902.	*Bucyrus*	117 Adelbert St.
Raymond Willis Jarecki,	*Sandusky*	766 Fairmount St.
Leon Lewis Robinson,	*Novelty*	117 Adelbert St
Benjamin Otto Shulman,	*Youngstown*	14 Stranwood St.
Frank Allman Stone,	*Steubenville*	131 Murray Hill Av.
Cleveland Jonas Suffinsky,	*Cleveland*	35 Sanford St.
James Garfield Vance,	*Empire*	1 Arey Av.
John Vincent Zottarelli,	*Cleveland*	46 Fairview Av.

TOTAL SPECIAL STUDENTS, 17.

SUMMARY

Third Year	23
Second Year	29
First Year	57
Special Students	17
	126

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REQUIREMENTS FOR ADMISSION

Each person entering the school, whether a candidate for a degree or not, must present a certificate of good moral character.

Candidates for the degree of LL. B. must be college graduates or matriculates, graduates of high schools of approved standing, or must pass the entrance examinations given by colleges of approved standing.

Persons not candidates for a degree may be admitted to the school as special students at any time without examination upon satisfying the Faculty that they are able to carry on the work to advantage.

COURSE OF INSTRUCTION

First Year.

Contracts. Lectures and Williston's Cases (new edition), embracing the topics of mutual assent, consideration, assignability of contracts, joint contracts, performance and discharge of contracts, illegal contracts. Three hours each week throughout the year. Professor Hopkins.

Common Law Pleading. Lectures and Ames's Cases on Pleading, embracing demurrers, pleas by way of confession and avoidance, pleas by way of traverse, duplicity, departure, new assignment, and motions based on pleadings. Two hours each week during last half-year. Professor Howland.

Criminal Law. Lectures and Clark and Marshall's Criminal Law, including theories of punishment, motive, will, malice, the various common law and statutory crimes and defenses. Two hours each week. Professor Hadden.

Property. I. Lectures and Tiedeman on Real Property, embracing tenure, estates, mortgages, liens, uses and trusts, executory devises, incorporeal hereditaments, title, methods of acquiring title, conveyances, deeds, covenants in deeds. Two hours each week. Professor Pennewell and Mr. Fauver.

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PROPERTY. II. Lectures and Vol. I, Gray's Cases on Property, embracing distinction between real and personal property, nature and acquisition of rights, suits for the recovery of personal property, acquisition of rights not under former owner, transfer of rights and possession. Two hours each week. Mr. Ford.

TORTS. Lectures and Ames's and Smith's Cases, embracing trespass, disseisin and conversion, defamation, malicious prosecution, conspiracy, legal cause, negligence, contributory and imputed negligence, degrees of care, extra-hazardous occupations, liability from fire and explosives, deceit, merger, joint wrong-doers, and distinction between tort and breach of contract. Three hours each week throughout the year. Professor Herrick and Mr. Fauver.

HISTORY OF COMMON LAW PROCEDURE. Lectures and selected readings from Pollock and Maitland's History of English Law, Bigelow's History of Procedure, Maitland's Domesday Book and Beyond, Inderwick's The King's Peace, Stubb's Constitutional History of England, Coke's Institutes, Blackstone's Commentaries, and Stephen on Pleading. One hour each week during the first-half of the first-half-year. Mr. Hopkins.

SECOND YEAR

AGENCY. Lectures and Wambaugh's Cases, embracing introductory topics, the agent's power to subject his principal to liabilities, the agent's responsibility to strangers, parties to writings, undisclosed principal, the principal's duties to the agent, delegation by an agent, termination of agency, and ratification. Two hours each week. Mr. Cobb.

BILLS AND NOTES. Lectures and Ames's Cases on Bills and Notes, embracing formal requisites, acceptance, indorsement, transfer, extinguishment, obligations of parties to bills and notes, diligence, bill or note in the nature of a specialty, checks, negotiable paper other than bills, notes and checks. Two hours each week. Professor Chapman.

EQUITY PLEADING. Cases, Lectures and drawing and criticism of pleadings. Two hours each week during first half-year. Mr. Ford.

EVIDENCE. Lectures and Thayer's Cases, embracing preliminary topics, leading principles and rules of exclusion, qualifications and exceptions to the rule against hearsay, real evidence, writings and witnesses. Two hours each week. Professor Chapman.

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CODE PLEADING. Cases, Lectures and drawing of all the pleadings in general use and criticism of same by class and instructor. Two hours each week during last half-year. Mr. Ford.

SALES. Lectures and Williston's Cases, embracing subject matter of sale, executed and executory sales, stoppage in transitu, fraud and related matters, warranty, and Statute of Frauds. Two hours each week during first half-year. Mr. Fauver.

WILLS AND ESTATES. Lectures and Page on Wills. Two hours each week. Professor White.

TRUSTS. Lectures and Ames's Cases, embracing voluntary trusts, language and formalities necessary to the creation of a trust, resulting trusts, oral trusts, constructive trusts, executed and executory trusts. Nature of a cestui que trust's interest in the trust property, and the interest of a trustee. Two hours each week. Professor Hopkins.

CONTRACTS. Lectures and Williston's Cases, embracing impossible contracts, illegal contracts, joint obligations, discharge of contracts and assignment of contract. Also, Keener's Cases on Quasi-Contracts, embracing nature of the obligation, failure of consideration, benefits conferred without request, benefits conferred at request but in the creation or performance of a contract, recovery of money paid under compulsion and waiver of tort. Two hours each week. Mr. Wilbur.

THIRD YEAR

CONSTITUTIONAL LAW. Lectures and Thayer's Cases, embracing constitution of government, making and changing written constitutions, the jurisdiction of the United States, citizenship, police power, eminent domain, taxation, ex post facto and retroactive laws, state laws impairing the obligation of contracts, regulation of commerce, money and war. Two hours each week. Professor Lawrence.

EQUITY JURISDICTION. Lectures and Ames's Cases on Equity Jurisdiction, including specific performance of contracts, accident, mistake and fraud, nuisance, injunctions against torts. Two hours each week. Professor Hopkins.

SURETYSHIP. Lectures and Ames's Cases on Suretyship, embracing the surety obligations and rights of persons. Two hours each week during first half-year. Mr. Wilbur.

MORTGAGES. Lectures and Wyman's Cases on mortgages, embracing the surety obligations and rights of property, including real estate and chattel mortgages, pledges, collateral securities, etc. Two hours each week during the last half-year. Mr. Wilbur.

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DAMAGES. Lectures and Beale's Cases, embracing functions of court and jury in estimating damages, exemplary, liquidated and nominal damages, direct and consequential damages, avoidable consequences, counsel fees, certainty, compensation, damages for non-pecuniary injuries, values, interest, damages in certain actions of tort and on contracts. One hour each week during first half-year. Professor Hadden.

CRIMINAL PROCEDURE. Lectures and Beale on Criminal Procedure. One hour each week during second half-year. Professor Hadden.

PARTNERSHIP. Lectures and Ames's Cases, embracing the creation of a partnership, quasi or nominal partners, partnership property and the interest of a partner therein, the separate property of a partner as affected by the partnership relation, the relation of debtor and creditor between a partnership and a partner, the relation of debtor and creditor between two firms having a common member, action between a partner and one or more of his co-partners, and power of a partner to act in behalf of the partnership. Two hours each week during first half-year. Professor Howland.

CORPORATIONS. Lectures and Smith's Cases on Corporations, embracing the creation of corporations, the distinction between a corporation and its stockholders, the law in relation to promoters, charters, rights of stockholders against corporation, directors and others, ultra vires transactions, the power of corporations as to creditors, etc., liquidation of corporations by receiverships, foreign corporations, legislative control of corporations. Two hours each week. Professor Johnson.

PUBLIC SERVICE CORPORATIONS. Lectures and Beale and Wyman's Cases, embracing the law of common carriers, telephone companies, telegraph companies, electric light companies, etc. Two hours each week during first half-year. Mr. Wilbur.

CONFLICT OF LAWS. Lectures and assigned cases. Two hours each week last half-year. Mr. Wilbur.

PLEADINGS AND PRACTICE IN OHIO, including the drawing of deeds, mortgages, wills, etc., as well as pleadings and the trial of cases in Moot Court. Two hours each week. Mr. Duncan.

LEGAL ETHICS. Lectures. One hour each week for ten weeks. Professor Hopkins.

REVIEW of subjects embraced in examinations for admission to the Ohio Bar. Three hours each week. Mr. Fauver.

BANKRUPTCY. Lectures on the History, Theory and Practice of Bankruptcy Law with consideration and discussion of the different statutes and the Supreme Court general orders, and the decisions of the courts in the interpretation and construction of the statutes. Mr. Remington.

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GENERAL INFORMATION

TERMS AND VACATIONS

The first half-year begins on the Tuesday after the sixteenth day of September, and continues, with a holiday recess of nine days, until the first Saturday in February. The second half-year begins on the Monday after the first Saturday in February, and continues, with an Easter recess of one week, until Commencement, which occurs on the Thursday after the eleventh day of June (or after the tenth in years in which February has twenty-nine days). No college exercises are held on Thanksgiving day, Washington's birthday, and Decoration day.

MOOT COURT WORK

The Junior Moot Court Association of Western Reserve Law School, composed of members of the junior class, holds court weekly, sitting as a justice of the peace court, some attorney acting as justice, with members of the class as the other court officers, attorneys, litigants, etc. The term of court is four weeks and an entirely new set of officers acts for each term, giving all the members an opportunity of becoming familiar with the duties of each office.

The cases are based upon actual facts and the trials are conducted in all respects like those in the regular courts.

The third year course in pleading and practice is conducted in part as a moot court course. Cases are tried in the manner prevailing in the common pleas court.

Special attention is paid to the several steps in the course of trial, such as summoning and impaneling jury, statement of case, examination of witnesses, taking of exceptions, making of motions, argument, preparation of charge to jury, verdict, judgment, motion for new trial, bill of exceptions and petition in error.

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EXAMINATIONS

Candidates for the degree of LL. B. must attend the school at least two years, and must pass satisfactory examinations in all the subjects of the first year and in enough courses of the second year to aggregate ten hours a week, and of the third year to aggregate eleven hours a week. If a student is absent a year he must take the examinations in the subjects of that year at the school with the class.

At the beginning of the school year an examination on the subjects of the first year will be held for the benefit of such students as may desire to enter the second year class.

LOCATION OF THE SCHOOL

The work of the school is carried on in a stone building of tasteful architecture erected for it on Adelbert Street opposite the Adelbert College Campus. The building contains a library and reading room, several large lecture rooms and rooms where students can meet socially. Individual lockers and other appropriate conveniences are provided for the students.

LIBRARIES

The Law School has a library containing a large collection of the leading text-books and encyclopædiæ, an almost complete collection of the English Reports, and the Reports of the Courts of last resort of every state and territory together with the reports of the Supreme and Circuit Courts of the United States. Students also have the use of Hatch Library which is located near the school and contains fifty thousand volumes. They also have free access to the Cleveland Public Library of almost one hundred and fifty thousand volumes. The library facilities offered students are therefore abundant. The Law School Library is open daily from 8 a. m. until 5:30 p. m., and on four evenings each week from 5:30 p. m. to 9:30 p. m.

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UNIVERSITY ADVANTAGES

Students of the Law School are admitted without extra charge to such classes in Adelbert College and the Graduate School as they are fitted to enter. They also have the privilege of attending many public lectures given at Adelbert College, the College for Women, and Case School of Applied Science.

EXPENSES

The fee for tuition is one hundred dollars a year. One-half of this fee is payable at the beginning of the university year, and the other half is payable at the beginning of the second half-year. These fees are to be paid to the Bursar within ten days of the opening of each half-year. For any part of either half-year the tuition fee is fifty dollars. No fees are charged for examination. When paid in advance the fee for the three years will be two hundred and fifty dollars.

Beginning with Commencement, 1906, a graduation fee will be charged.

Rooms can be secured in the vicinity of the school for from $25 to $75 per year. Table board can be secured for from $2.75 to $4 a week. Text-books used in the classes cost from $17 to $30 a year, but second-hand books can usually be procured at a considerable saving.

SCHOLARSHIPS

A limited number of scholarships may be awarded by the faculty to meritorious students during the year 1904-05.

For further information address the Dean.

EVAN H. HOPKINS,
Cleveland, O.

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THE COLLEGE OF DENTISTRY

GENERAL STATEMENT

THE Dental Department of Western Reserve University was organized by the Trustees and Medical Faculty of the University in the belief that Dental Surgery should be regarded as a branch of Medicine, and with the purpose of training students to practice it as a medical specialty. It is obvious that such an education tends to broaden the mind and give a keener insight into the principles of dentistry. The public also recognizes the better qualifications of a medically educated dentist.

The College is under the control of the University Trustees, and is in every sense a part of the University. Its professors do not control the fees from students, nor do they accept fees for extra courses. The Dean of the College acts as Bursar for the department, to whom all fees are paid and by him transferred to the Treasurer of the University.

The College is active in its endeavors to place Dentistry upon a high plane. It therefore co-operates as a member with the National Association of Dental Faculties, the National Association of Dental Examiners, and the Institute of Dental Pedagogics, and conforms to all the rules of these Associations.

Attention is directed to the fact that there are no extra fees except as hereinafter indicated, but that the general fee covers the expense of laboratory courses in chemistry, histology, physiology, dissection, and bacteriology. The matriculation fee is paid only once. The College furnishes

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many instruments for the free use of the students, such as vulcanizers, extracting forceps, etc., etc., thus saving considerable expense for every student during the course.

The course is graded and admirably adapted to preparing students for the practice of dentistry. It requires three years of thirty weeks each to complete the course. All of the technical work is performed the first two years. The third year is devoted largely to clinical work. The Faculty has decided to require constant attendance each day in the clinics from 9:30 A. M. to 4:30 P. M. from each senior student. This gives an unusual opportunity for practice, and is the outcome of a large and increasing amount of clinical material as well as the desire of the Faculty to give a thoroughly practical education.

The city of Cleveland now numbers over 400,000 inhabitants, and the Dental College is located in the center of the city. This situation insures a large amount of clinical material.

During the summer of 1904, the Prosthetic Laboratories, the Operatory, and the Extracting Rooms, were refurnished at great expense. The rooms were all decorated in blue and gold and all woodwork covered with white enamel, presenting not only an extremely attractive appearance but also impressing the students with the advantages of absolute cleanliness in all matters pertaining to their profession. The Operatory is now furnished with Columbia chairs, upholstered in leather, glass bowls, fountain cuspidors, electric service at every chair; in short, with all the necessities and conveniences which go to equip the most modern dental office. Such perfect equipment enables a student to become familiar with the best office furnishings while still in school, and greatly increases his ability to do good work when he begins practice for himself.

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FACULTY

CHARLES FRANKLIN THWING, D. D., LL. D., 55 Bellflower Av.
President.

HENRY LOVEJOY AMBLER, M. S., D. D. S., M. D., 176 Euclid Ave.
Professor of Operative Dentistry, History of Dentistry, and Oral Hygiene.
Dean of the Faculty.

JOHN WILLIAM VAN DOORN, D. D. S., 455 The Arcade.
Professor of Materia Medica and Therapeutics.

CARL A. HAMANN, M. D., 661 Prospect St.
Professor of Anatomy and Oral Surgery.

DANIEL HENDRIX ZIEGLER, D. D. S., 726 Rose Bldg.
Professor of Clinical Operative Dentistry.

HERMAN CLIFFORD KENYON, D. D. S., 677 The Arcade.
Professor of Operative Technics and Dental Anatomy.

DOUGLAS AUSTIN WRIGHT, D. D. S., 304 Cedar Av.
Professor of Clinical Prosthetic Dentistry.

.....
Professor of Applied Electricity.

ROGER GRISWOLD PERKINS, A. B., M. D., Medical College.
Professor of Bacteriology.

FRANK M. CASTO, Ph. G., M. D., D. D. S., 719 Schofield Bldg.
Professor of Orthodontia.

JOHN SHELL TIERNEY, M. D., Rose Bldg.
Assistant Professor of Anatomy.

WILLIAM HAWKSLEY WEIR, M. D., 260 Euclid Av., Kingmore Bldg.
Assistant Professor of Physiology.

WILLIS SANFORD HOBSON, A. B., M. D., 105 Oakdale St.
Assistant Professor of Histology.

FRANK ACKER, M. D., D. D. S., 170 Clinton St.
Assistant Professor of Pathology.

HOWARD D. HASKINS, A. B., M. D., Medical College.
Assistant Professor of Chemistry.

FREDERICK AUGUSTUS HENRY, M. A., LL. B., 154 Kensington St.
Lecturer on Dental Jurisprudence.

JAMES FREED WARK, D. D. S., 362 Cedar Av.
Demonstrator of Operative Dentistry.

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JOSEPH ANSON COATES, D. D. S., 45 Hough Av.
Demonstrator of Prosthetic Dentistry.

ARTHUR IRA BROWN, M. D., D. D. S., 225 Lawn St.
Demonstrator in Operative Dentistry.

CARL HERBERT CLARK, 262 Prospect St.
Assistant in Histology and Physiology.

CECIL ORVILLE WITTER, B. S., 16 Blaine St.
Assistant in Chemistry.

PROFESSOR WRIGHT,
Superintendent of Laboratories.

H. MILTON BROWN, D. D. S., 262 Prospect St.
Superintendent of Clinics.

SAMUEL A. V. RICE, D. D. S., 262 Prospect St.
Clerk of Clinics.

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STUDENTS

SENIORS.

Edward Newton Allison	*Princeton, Pa.*	121 Chestnut St.
James Blaine Atchison	*Salem*	11 Cheshire St.
David Boyd Bebout	*Mechanicstown*	371 Euclid Av.
John Rogers Bentley	*Toledo*	327½ Prospect St.
Hugh Ross Binkard	*Urbana*	831 Prospect St.
Charles Avis Brown	*South Newbury*	523 Prospect St.
Carl Herbert Clark	*Youngstown*	116 Commodore St.
William Steen Deeley	*Sandusky*	44 Collins Pl.
James Burton Ellis	*Beeton, Ont., Can.*	33 Queen St.
Lee Maro English	*Antrim*	593 Scovill Av.
Don Berry Ford	*Cleveland*	161 Lincoln Av.
William B. Gerow	*Blenheim, Ont., Can.*	121 Chestnut St.
Arthur Wiley Haines	*Cleveland*	287 Prospect St.
William Heller	*Orrville*	The Gladstone.
Lee Everette Howk	*Wellington*	116 Commodore St.
Lewis Henry Hutchins	*Leamington, Ont., Can.*	33 Queen St.
Don McKay Kent	*Linesville, Pa.*	120 Studley St.
Alfred Churchill Knapp	*Elyria*	287 Prospect St.
Charles Thomas Magner	*Cleveland*	57 Burt St.
Charles Hiram Maloney	*Penn Line, Pa.*	101 Huntington St.
Clare Keyes Mattingly	*Hinckly*	162 Chestnut St.
George Cubbison Mitchell	*Grove City, Pa.*	The Gladstone.
C. Stuart Mygatt	*Ashtabula*	304 Sibley St.
Milton Dodge Neff	*Cleveland*	45 Archwood Av.
Edwin Deroger Phillips	*Conneaut*	287 Prospect St.
John Fred Risch	*Akron*	831 Prospect St.
George William Smith	*Cleveland*	178 Herald St.
Howard Garfield Weber	*Canal Dover*	29 Cheshire St.
Clarence Everette Webster	*Theresa, N. Y.*	217 Huntington St.
Don Vincent Weedman	*New London*	29 Cheshire St.
Harris Reid Cooley Wilson	*Cleveland*	Hotel Tavistock.
Merrill Ladrew Winger	*Orangeville*	798 Republic St.
Frank Zavodsky	*Cleveland*	9 Vergennes St.

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JUNIORS.

Frank Lee Anway	*Republic*	89 Handy St.
Thomas Edward Armstrong	*Troy*	429½ Superior St.
Louis Albert Arosemena	*Guayaquil, Ecuador, S. A.*	8 Royal Arms, Handy St.
Ralph Raymond Bevard	*Canal Fulton*	98 White Av.
Alexander James Clark	*Cornwall, Ont., Can.*	175 Dodge St.
Earl Pearson Jones	*Mansfield*	58 Eastman St.
John Charles Kline	*Cleveland*	1379 Lexington Av.
Emanuel Zebastian Kreidel	*Ellensburg, Wash.*	469 Euclid Av.
Charles Laurer	*Binghamton, N. Y.*	The Gladstone.
Benjamin Lipschitz	*New York, N. Y.*	190 Greenwood St.
William Anson Maloney	*Penn Line, Pa.*	101 Huntington St.
Benjamin Thomas Maltby	*Saybrook*	508 Prospect St.
Henry Edwin Moffett	*Cleveland*	1018 Scranton Av.
Bert Byron Pontius	*Cleveland*	12 Smiley Av.
Frederick Rieske	*Cleveland*	306 Fairfield Av.
George Alexander Roy Ross	*Stoughton, Assiniboia, Can.*	175 Dodge St.
Bert Alvin Shriber	*Barberton*	508 Prospect
Henry Frederick Smith	*Brisbane, Ont., Can.*	11 Cheshire St.

FRESHMEN.

Joseph Warren Anson	*Sharon, Pa.*	57 Sibley St.
Raleigh Pringle Barnes	*Waterford, Pa.*	11 Cheshire St.
Arthur Windslow Degnon	*Akron*	49 Mecca St.
Frank Dennis	*Augusta*	11 Cheshire St.
Francis Marion Fosdick	*Cleveland*	143 Chambers St.
Harry Baker Fought	*Fremont*	753 Superior St.
Clarence Tamblyn Franke	*Cleveland*	3250 Euclid Av.
Maurice Berton Galvin	*Cleveland*	368 Woodland Av.
Bruce Raymer Gilbreath	*Collinwood*	Collinwood.
Grover Cleveland Gotschall	*Minerva*	11 Cheshire St.
Merryll Greenwood	*Akron*	198 Dodge St.
George Harrlow Smith	*Worden*	160 Kenilworth St.
Ernest Meade Herrick	*Cleveland*	52 Auburndale Av.
Wilfred Hector Jerrett	*Cleveland*	10 Lockwood St.
Lawrence Alfred Krejii	*Cleveland*	290 Forest St.

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Edmonde Joseph LaBarge	*Cleveland*	179 Streator Av.
Louis Lyman	*Cleveland*	190 Greenwood St.
Louis Albert Maska	*Cleveland*	2 Arch St.
Walter Howard Maxwell	*Euclid*	3586 Euclid Av.
Lewis David Mount	*Ashtabula*	304 Sibley St.
Charles Rudolph Pheneger	*Cleveland*	87 Hillsdale Av.
Charles Henry Priday	*Cleveland*	3533 Euclid Av.
Charles Chamberlain Rogers	*Troy*	831 Prospect St.
Harry Delmont Smith	*Brilliant*	117 Adelbert St.
Edward Thomas Talbott	*Crestline*	The Hawthorne, Dodge St.
Horace Van Valkenburg	*Chagrin Falls*	11 Cheshire St.
Harry E. G. Wright	*Rittman*	508 Prospect St.
Will Wallace Wright	*Lakewood*	232 Cook Av., Lakewood, O.

SUMMARY.

Seniors	33
Juniors	18
Freshmen	28
Total	79

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REQUIREMENTS FOR ADMISSION

Each candidate for admission must be at least eighteen years of age. The rules for admission and graduation are such as obtain in the National Association of Dental Faculties, of which the College is a member.

The minimum preliminary education required for admission to the Freshman class is a certificate of entrance into the third year of the high school, or its equivalent.

Those who are unable to present a certificate showing that they have studied the branches usually required in the first two years of the high school will be required to take an examination given by an examiner appointed by the State School Commissioner. A list of the studies in which an examination is required will be sent to anyone desiring to prepare for admission.

The College does not receive women as students.

Special Notice.—According to a rule of the National Association of Dental Faculties credit for a full term cannot be given to students who enter more than *ten* days after the opening of the session. But if any student is prevented by sickness from entering within the ten days, and if his sickness is properly certified to by a reputable practicing physician, he can enter not later than twenty days from the opening of the session. Students are requested to be present on the opening day.

ADMISSION TO ADVANCED STANDING

Students from recognized dental colleges who present certificates of attendance upon one full course of lectures of at least seven and one-half months, and who give evidence satisfactory to the heads of the respective departments, that they have a good knowledge of the work of the first year,

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will be admitted to the second. Likewise, students who have satisfactorily completed two years of work in another reputable school may be admitted to the Senior year of this College. According to the present ruling of the National Association of Dental Faculties, no time allowance shall be granted except to regular graduates in Medicine. Students who have completed one or two years in a medical school may receive credit for work done. Graduates of recognized medical colleges will be admitted to the work of the second year and may be excused from lectures and examinations upon General Anatomy, Chemistry, Histology, Physiology, Pathology, Materia Medica, and Therapeutics. They will be required, however to take the course in Operative and Prosthetic Technics, Dental Pathology and Histology.

Applicants for admission to advanced standing from European schools are required, like other applicants, to furnish properly attested evidence of study and of attendance upon lectures, and they must pass the intermediate examinations. It is required that students from foreign countries present certificates from a member of the Advisory Committee located in the country from which they come. Students from recognized dental schools may enter the senior class only upon evidence of having completed work equivalent to that of the previous years in this school.

Applications for admission or for further information may be sent at any time to the *Secretary, College of Dentistry, Western Reserve University.* As places in the laboratory are assigned in the order of matriculation and payment of fees, it is an advantage to students to matriculate early. Names can be registered at any time for the following session. Juniors and Seniors of this College are not required to pay a fee for registration.

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COURSE OF STUDY

The following table shows the work required in each year and the number of hours a week in each subject.

FIRST YEAR

	HOURS PER WEEK
Chemistry	3—lectures 4—laboratory
General and Dental Histology	1—lecture 4—laboratory
Osteology	2
Dental Anatomy	2
Prosthesis	2—lectures 21—laboratory

SECOND YEAR

Operative Technics	8
Dental laboratory	21—laboratory
Chemistry	3—lectures 4—laboratory
Pathology	1
Physiology	2
Anatomy	5
Crown and Bridge Work and Metallurgy	2
Orthodontia	Special lectures

THIRD YEAR

Operative Dentistry	2½—lectures
Prosthetic Clinics	14½
Operative Clinics	21
Materia Medica and Therapeutics	1
Pathology	1
Bacteriology	9–6 weeks
Oral Surgery	2
Orthodontia	Special lectures
Anaesthetics	" "
Jurisprudence	" "
Dental Hygiene	" "
History of Dentistry	" "
Electro-Therapeutics	" "

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METHODS OF INSTRUCTION AND DESCRIPTION OF COURSES

The methods of instruction consist of lectures, recitations, demonstrations, clinics, and practical work in the chemical, physiological, histological, and bacteriological laboratories. Complete courses are given in the technic of operative and prosthetic dentistry, as well as in orthodontia and steel. Clinical material is abundant and in great variety.

During the hours for clinics the demonstrators in charge devote their whole time to the work of instruction. It will be seen that this method gives each student constant *personal attention*. All practical work must be performed in the College, and every effort is made to prevent students from practising dentistry illegally. Regular attendance at all the courses of instruction and clinics is required. No student is excused from the technic or practical courses.

OPERATIVE DENTISTRY

PROFESSOR AMBLER.

In this department the teaching is partly accomplished by means of lectures and quizzes which constitute a systematic and progressive course, beginning with a concise history of ancient and modern dentistry, followed by a careful presentation of the most useful methods, appliances and materials employed in filling teeth, together with the basal principles which make operative dentistry a positive science. The hygiene of the mouth, teeth, artificial dentures, crown, and bridge-work will also be considered.

In the senior year, the operatory offers to the student an opportunity to become acquainted with the details of office practice; here he can apply the art of filling teeth, and have some opportunity for observing the relative values of different methods and materials; being advanced from simple to complex operations as fast as his proficiency will justify. Each senior is allowed to operate for twenty-one hours weekly; thus he can develop his brain and hand in acquiring thoughtful manipulative skill.

Text-book: American Text-Book of Operative Dentistry; Ambler's Tin Foil and its Combinations for Filling Teeth.

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MATERIA MEDICA AND THERAPEUTICS

PROFESSOR VAN DOORN

An intelligent knowledge of the properties and application of medicaments is so important that dental students should be as well grounded in this as in anatomy and physiology. The course consists of a series of comprehensive lectures upon all important drugs, with especial illustrations of their use in dentistry. The methods of administration and application are described in detail. The aim is to make these lectures of great practical value. Text-book: Gorgas' Dental Medicine.

ORAL SURGERY

PROFESSOR HAMANN

Instruction in this branch will be given by means of lectures, clinics, and recitations. The aim is to furnish the student an opportunity of acquiring a practical knowledge of this department of surgery.

The principles underlying the treatment of pathological conditions of the mouth and jaws will be considered. Wounds, fractures, tumors, ulcers and congenital defects are among the subjects to be discussed, especial attention being devoted to diagnosis. Dental students have access to the various hospitals. Marshall's Text Book on Diseases and Injuries of Jaw and Mouth.

ANAESTHETICS

PROFESSORS HAMANN AND ZIEGLER

The subject of anæsthetics is elucidated by special instruction. Professor Hamann describes and illustrates the uses of chloroform and ether in surgical operations about the mouth, and also the dangers that may arise. Professor Ziegler presents the subjects of anæsthesia from nitrous oxide gas and its combinations with other elements, also the uses of local anæsthetics.

Realizing the danger of anæsthetics, great care is bestowed upon the teaching of these subjects; the course includes lectures on physical diagnosis, which are essential in designating methods employed in detecting disease during life so that no mistakes will be made. The clinics afford the students abundant experience in this college.

DENTAL ANATOMY—OPERATIVE TECHNICS

PROFESSOR KENYON

These courses of instruction have been revised and enlarged. Two hours each week are given to dental anatomy in the first year. The

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students' work consists in carving the various classes of teeth, cutting sections, and making drawings. These exercises are supplemented by lectures and recitations and are illustrated by drawings and large models. Text-book: Broomell's Anatomy and Histology of the Teeth and Mouth.

Eight hours each week are given to operative technics in the second year. The course consists in technical training in the laboratory, supplemented by lectures and demonstrations. The technical training includes treating and filling root canals in extracted teeth, cutting typical cavity forms in enlarged tooth-models, excavating a large number of cavities in celluloid tooth-forms mounted in a flexible jaw, filling these cavities with the various filling materials, and exercises in engine technic upon extracted teeth. Porcelain inlay technic is a special feature and will receive particular attention.

The lectures cover the technique of cavity preparation and of treating the various pathological conditions found in pulp cavities; instrumentation and classification and measurements of operating instruments; classification and forms of cavities; and filling materials.

NOTE—The operations in the technic department require a great number of natural teeth, and as it is difficult to procure a sufficient number, it would be to the interest of every student to obtain as many as possible.

PROSTHESIS AND METALLURGY

PROFESSOR WRIGHT

Two lectures a week are given upon prosthesis, to the students of the first year, and two lectures a week upon crown and bridge-work and metallurgy, to the students of the second year.

The aim is to make this department thoroughly practical, to elucidate the mechanical and artistic principles as well as the science involved.

The technic laboratories are conducted under the guidance of this chair. American Text Book of Prosthetic Dentistry, Essig's Metallurgy, fourth edition.

TECHNIC LABORATORIES

PROFESSOR WRIGHT AND DR. COATES

There are two dental laboratory class-rooms, one for students of the first, and one for those of the second year; each room is provided with sixty benches and with a platform furnished with complete

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laboratory appliances. There is also a dental laboratory furnished with lathes, plaster and apparatus for molding and casting. There is a specially fitted forge room. Every effort is made to have the methods of instruction as practical as possible. Comprehensive and progressive technic courses are given in impressions—vulcanite, celluloid, cast metal, aluminum, gold, continuous gum (optional), crown and bridge-work, steel and orthodontia.

Twenty-one hours a week are devoted to this work.

ELECTRICITY

A thorough course of instruction is given in electro-physics and the processes employed in dentistry. It includes lectures, laboratory experiments and clinical demonstrations. Cataphoresis will be given special consideration and the various current controllers and milliameters are studied by the students and thoroughly demonstrated clinically. The bleaching of teeth by means of electric currents with various agents, the treatment of pyorrhea alveolaris and aveolar abscess, and the use of the X Rays for locating unerupted teeth are elucidated. Instruction is also given in the construction and management of electric dental engines and motors, methods of controlling various kinds of currents, the galvanic effect and electrolytic products of various filling materials in the mouth, etc. Students should be familiar with the general principles of electricity before commencing the course. Text-book: Custer's Dental Electricity.

BACTERIOLOGY

PROFESSOR ROGER G. PERKINS

The students will take up the various organisms which are found in the buccal cavity in health and disease, including those concerned in dental decay. The preliminary studies will deal with the chromogenic organisms, until the students have acquired the necessary technique, when the bacteria peculiar to the mouth and those which use the mouth as a portal of entry in lesions of the buccal cavity or more general infections will be carefully investigated.

Special instruction will be given as to the proper methods of sterilization of instruments, and asepsis in dental surgery. Microscopical sections of decayed teeth will be given out to the students, and stained to illustrate the invasion of the tissues by the bacteria of dental decay.

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ORTHODONTIA

PROFESSOR CASTO

The course in orthodontia consists of lectures, technic work and practical cases.

The didactic instruction is given by Professor Casto and is supplemented by the demonstrator who has direct care of the practical and technic work. The lectures are illustrated by lantern slides, models and various appliances especially constructed for the purpose of instruction.

The technic course is for the juniors and consists in the construction of material and a technic apparatus which is to be considered in the final senior examination in this branch. The practical work is done by senior students and offers great advantages, for the clinical material is abundant. Various methods of correcting irregularities of the teeth are considered and their use and value explained.

Junior students attend the regular course of lectures which are given to the senior students in this department.

ANATOMY

PROFESSOR HAMANN, DR. TIERNEY

The course in anatomy consists of lectures upon descriptive and applied anatomy, together with demonstrations and recitations. In accordance with the needs of dental students especial attention is given to the anatomy of the head, neck and alimentary canal. In order to facilitate the work in osteology, students of the first year are provided with separate bones, which they are permitted to take home for purposes of study. For demonstrations upon the cadaver and anatomical preparations, the second-year class is divided into sections, in order that individual students may have every opportunity of becoming familiar with the various parts of the body, and of receiving direct personal instruction. Text-book: Gray's Anatomy.

PRACTICAL ANATOMY

The advantages offered for the study of practical anatomy are very complete. The anatomical room is well lighted, and perfectly heated and ventilated. It has twenty-four tables, and is furnished with hot and cold water, elevator and every convenience for successfully conducting the work of dissection. Dissections are made under the immediate direction of the professor of anatomy.

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PHYSIOLOGY

ASSISTANT PROFESSOR WEIR

Two lectures a week are given to the students of the second year. The lectures are illustrated by experiments in the class-room and demonstrations in the laboratory. The properties of the circulating liquids of the body, blood and lymph, having been first described, the mechanical and physiological factors concerned in the maintenance of the circulation are studied in detail. The physical and chemical phenomena of respiration and the relation of the nervous system to the respiratory mechanism are next taken up. Then follows an account of digestion, including the secretion of the digestive juices and their action on the food substances, the movements of the stomach and intestines, and the influence of nerves on the functions of the alimentary canal. The absorption of the digested food into the blood-vessels and lacteals, the changes which the absorbed substances undergo in the body, and the channels by which the waste products are excreted form the next division of the subject. A general view is then taken of the statistics of nutrition and metabolism (including Animal Heat), from which the rules governing the constitution of dietaries are deduced. The general physiology of muscular and nervous tissues having been treated of, the physiological anatomy and functions of the brain and spinal cord are described at length. A brief account of reproduction and development completes the course.

Care is taken to emphasize the special importance to the dental student of such subjects as the secretion of the saliva, the formation of salivary concretions, and the mechanism of mastication and of articulation. Text-book, Stewart's Manual of Physiology.

HISTOLOGY

ASSISTANT PROFESSOR HOBSON

The course includes a study of the fundamental mammalian tissues, followed by a study of the finer anatomy of the principal organs. Especial attention is given to the structure of bone, teeth, salivary glands, and the structures connected with the mouth cavity. Each student stains and mounts the sections which he studies and these remain his property. The expense to each man for slides and material is about two dollars. A deposit of two dollars to cover breakage, which is returnable at the end of the course, is required. Two two-hour laboratory exercises and one recitation per week are given through Freshman year.

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PATHOLOGY

ASSISTANT PROFESSOR ACKER

The course covers the general principles of pathological processes and resultant histological changes, as a basis for and preliminary to the special study of Dental Pathology. By the co-operation of the Professor of Clinical Operative Dentistry, Dr. Ziegler, clinical demonstrations of diseased conditions of the teeth and parts adjacent will be used to make clear and fix the lectures and work with the text-book. In conjunction with the study of morbid anatomy, consideration will be given to symptomatology and physical diagnosis, enabling the student to meet intelligently the demands of the clinic. Lectures and quizzes, one hour a week through Junior and Senior years. Text-book: Dental Pathology and Therapeutics, Burchard, revised by Inglis.

CHEMISTRY

ASSISTANT PROFESSOR HASKINS

The course includes lectures and quizzes covering the entire subject of inorganic chemistry and elementary organic chemistry. The lectures are illustrated as far as possible by experiments. The laboratory work in chemistry consists in a complete course in qualitative analysis, including the analyzing of unknown mixtures.

Five hours a week throughout the year are given to chemistry. Text-book, Remsen's Chemistry.

JURISPRUDENCE

FREDERICK A. HENRY, M. A., LL. B.

The legal responsibilities of dental practitioners and also the relations of the public to the dentist are clearly explained by the lecturer in this department. A knowledge of the subject of dental law is required in the course of instruction, and an examination is given upon the lectures.

DENTAL CERAMICS

PROFESSOR KENYON

A course of instruction in dental ceramics is provided. The course includes all varieties of porcelain work that the dentist is required to use and is amply illustrated. Where students are able to provide materials of their own, extra instruction is given free of charge.

CLINICS

The operative and prosthetic clinics provide all kinds of clinic material. The prosthetic clinic is open from 9:30 to 12 a. m., and the

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operative clinic is open from 1 to 4:30 p. m. In the first year the entire time is devoted to technic courses in prosthesis. In the second year technic courses are given in crown and bridge-work, also orthodontia. After these the student is assigned to practical cases of artificial dentures as well as operating in the mouth. It is necessary, however, to complete the operative technic course before cases are assigned in the operatory. In the third year the course is made as practical as possible. The clinics in both morning and afternoon are devoted to prosthetic work—crowns, bridges and orthodontia, also the filling of teeth, extracting, various surgical operations without hospital attendance. The extensive operations are performed in the hospital. The operatory has been newly equipped and additional apparatus added to the prosthetic room, thus enabling the student to become thoroughly acquainted with the most modern office and laboratory furnishings. Students are thus provided with an exceptionally large amount of actual clinical experience. The many clinical cases afford an excellent opportunity for the use of anæsthetics. In rotation the students are assigned to extracting and the use of anæsthetics under the immediate supervision of a skilled demonstrator. Every student thus gains experience that prepares him for actual practice. The location, in the heart of the city, where the street cars center, enables the college to have an unusual advantage in securing a large clinic.

Students are required to attend all clinics daily and perform operations faithfully.

TEXT-BOOKS

First Year: Gray's Anatomy, Schaeffer's Histology, Remsen's Chemistry, American Text-Book Prosthetic Dentistry, Broomell's Anatomy and Histology of the Teeth and Mouth.

Second Year: Stewart's Physiology, Essig's Metallurgy, Burchard's Dental Pathology and Therapeutics (revised by Inglis.)

Third Year: Marshall's Injuries and Diseases of the Jaw and Mouth, Gorgas' Dental Medicine, American Text-Book Operative Dentistry, Ambler's Tin Foil and its Combinations for Filling Teeth, Custer's Dental Electricity.

Books of Reference: Dictionary, Gould; American System of Dentistry; Garrettson's Oral Surgery; Week's Operative Technics; Evan's Crown and Bridge Work; Mitchell's Dental Chemistry; Miller's Micro-organisms of the Mouth; Eckley's Anatomy of the Head and Neck; Cryer's Internal Anatomy of the Face; Cigrand's History of Dental Prosthesis.

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GENERAL INFORMATION

TERMS AND VACATIONS

The college year consists of thirty weeks of six days each, exclusive of holidays. The session opens on October 1st each year, except this day fall on Saturday, Sunday or Monday, in which case the opening shall be on the Tuesday following the 1st of October. The session of 1905-06 will open Tuesday, October 3rd.

A Holiday Vacation of two weeks begins on December 24th. No college exercises are held on Thanksgiving Day or Decoration Day.

THE DENTAL BUILDING

When the College of Dentistry was established in 1892 rooms were assigned to it in the building erected by Mr. John L. Woods for the Medical College. But the work in both Dentistry and Medicine has been extended so greatly, and the number of students in each department has increased so rapidly, that the Trustees of the University have provided separate accommodations for the Dental School in the new Bangor building, situated at 262 Prospect Street, next to the Young Men's Christian Association Building. The facilities provided in the new building have proved to be excellent. Each room has perfect light and ventilation. The laboratories, one for the Freshmen and one for the Juniors, with an adjoining room for both classes, are arranged for an advanced system of teaching. There is also a clinical laboratory for the Senior and Juniors. Each room contains a complete laboratory equipment. The operatory

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is equipped with Columbia chairs, upholstered in leather, glass bowl fountain cuspidors, and electric service at every chair. The surgical and extracting room contains a standing amphitheatre. The building has been planned to accomodate one hundred and fifty students. When this number is reached, admission to the Freshman Class will be by suitable method of competition.

MUSEUM AND LIBRARIES

A Dental Museum and Library has been established in the School. Those who have specimens or literature of interest to any of the students are earnestly requested to make contributions. Each specimen and book is credited to the donor and receives proper care.

Students have access to the Hatch Library on the campus of Adelbert College, to the Public Library of Cleveland, and to the Case Library, which is located near the Dental College. These collections aggregate nearly three hundred thousand volumes.

EXAMINATIONS

A written examination in all branches is given at the close of the session. No student is permitted to take the examinations until all fees are paid. An examination fee of $10.00 is due April 1st.

An opportunity for a re-examination is given to students who have failed in any branch, but it shall not be later than December 1st of the succeeding year. The fee for re-examination is $2.00 and must be paid before the examination is given. A second re-examination can be given only by special permission of the Faculty. A student who has failed in any subject may register in the succeeding year, but will not be allowed to continue after December 1st if he is deficient in more than two branches.

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DEGREE

The degree of Doctor of Dental Surgery is conferred upon all students not under twenty-one years of age, who have satisfactorily completed the required course of study, paid all required fees, passed all examinations, performed such practical operations in the operative and prosthetic departments as may be required, and conformed with such other regulations as the Faculty may prescribe. Graduates of other Dental colleges are required to attend one full session and comply with all the regulations of the Senior year in order to receive a degree from Western Reserve University. Candidates who attain a general average of ninety per cent. in all their examinations receive honorable mention.

EXPENSES

The fees are as follows: (1) Matriculation fee of $5.00 to be paid but once; (2) An annual fee of $100.00 payable at the opening of the term. These fees are not returnable. Students who cannot pay the whole amount on the opening day may pay $50.00. In this case, the balance must be paid on or before January 10th. After that date, $55.00 will be due. Students who desire to pay the fees for the three years by December 1st of the first year, will be allowed a reduction of $50.00 on the whole amount. (3) An annual examination fee of $10.00 due April 1st. Beginning with Commencement, 1906, a graduation fee will be charged. The college fees are paid to the Dean.

Students will be charged for the cost of perishable material used in the laboratories and for unnecessary damage to equipment. An expense of about $2.00 for microscopic slides is necessary in the first year, but they remain the property of the student. A small deposit for keys is required, which may be returned at the close of the year.

No student is permitted to enter the laboratories and operatory until he presents a receipt for his fees. He is

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also required to have a full equipment of instruments before a locker can be assigned to him. The cost of the required instruments is made as low as is consistent with good teaching. Books and instruments can be bought within a short distance of the College.

The expenses for each year, including fees, are as follows:

FIRST YEAR

Matriculation (paid only once)	$ 5 00
Tuition	100 00
Instruments	30 00
Histological slides, etc.	2 00
Books	23 00
Examination at close of term	10 00
	$170 00

SECOND YEAR

Tuition	$100 00
Instruments, including engine, about	90 00
Books	11 00
Examination at close of term	10 00
	$211 00

THIRD YEAR

Tuition	$100 00
Books	20 00
Examination at close of term	10 00
	$130 00

Good accomodations for board and lodging in the vicinity of the College may be secured at $4.00 a week and upwards. Lists of places where board and rooms are offered will be sent on application to the Secretary. Students will be assisted in finding reliable boarding houses by applying at the office of the Central Y. M. C. A., the building of which is next door to the College.

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Many students earn board, or lodging, or both, by waiting on table, clerking in family hotels, running elevators, caring for lawns and furnaces, or similar work. The officers of the College, however, cannot undertake to provide such work. Students who wish to help themselves in this way should be on hand a few days before the opening of the School and make a personal canvass.

SOCAL LIFE

The College aims to surround its students with the best influences, and to open to them opportunities for social and intellectual culture. During the session of 1896-97, a flourishing Dental society was organized for the purpose of placing serious responsibilities upon the students and of inculcating true professional ideals. Each year this society elects its own officers, and the President is made curator of the College museum, which office he holds during the college year. A musical club is one of the interesting organizations for those who possess musical talent. Other societies and organizations exist among the students. Many of them become members of the Young Men's Christian Association and thus have use of a fine gymnasium and other means of amusement and recreation. A special rate of membership is made to the College students.

Students in the Dental Department share in University athletics, participating in football, baseball, and track-team contests. The students of the Dental Department also have a representative on the Board of Editors of the Reserve Weekly and of the Students' Annual, the "Reserve."

So far as possible, students should have their mail addressed to their residences.

For further information, address the *Secretary, The College of Dentistry, Western Reserve University, Cleveland, Ohio.* All inquiries are gladly answered.

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THE LIBRARY SCHOOL

GENERAL STATEMENT

The establishment of this school was rendered possible by the generous gift in February, 1903, of one hundred thousand dollars from Mr. Andrew Carnegie to form an endowment fund.

Its purpose is to give a thorough course in training for library work. While, as is eminently proper in a school so established and endowed, special attention will be given to training for work in our rapidly developing system of public libraries, the interests of college, endowed, and other libraries will not be neglected.

The school opened September 20, 1904, with fourteen students in the junior year and fifteen special students taking a portion of the work. The special students are, with one exception, from the Cleveland libraries which cooperate in the work of the school.

Only the junior courses of study are given in 1904-1905. The senior course will be given for the first time in 1905-1906.

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FACULTY

CHARLES FRANKLIN THWING, D. D. LL. D., 55 Bellflower Av.
President.

WILLIAM HOWARD BRETT, A. M., 205 Wood St.
Dean of Library School.
Lecturer on Library Architecture, History, and Administration.

ELECTRA COLLINS DOREN, 855 Fairmount St.
Head Instructor and Librarian.
Criticism and Selection of Books, Library Organization, History, and Administration.

ESTHER CRAWFORD, B. L., 855 Fairmount St.
Instructor in Classification and Cataloguing.

LINDA ANNE EASTMAN, 855 Fairmount St.
Instructor in Library Extension and Supervision, History, Reports and Statistics.

JULIA MARGARET WHITTLESEY, B. L., B. L. S., 27 Oakdale St.
Instructor in Order and Accession Records, Duplicates and Gifts, Serials, Loan Systems.

EDWARD CHRISTOPHER WILLIAMS, B. L., 1668 Lamont St.
Instructor in Trade and National Bibliography, Order Department, Reference Work.

ALLEN DUDLEY SEVERANCE, A. M., B. D., 1981 Euclid Av.
Instructor in General and Special Bibliography.

CHARLES ORR, 1662 Lamont St.
Lecturer on History of Libraries. Book Clubs and Book Collecting.

AZARIAH SMITH ROOT, A. M., Oberlin, Ohio.
Lecturer on Book Printing and Illustrating.

MARGARET MANN, Carnegie Library, Pittsburgh, Pa.
Instructor in Public Documents.

GRACE ELSTNER WOODARD, B. PD., Ann Arbor, Mich.
Instructor in Bookbinding.

EUPHEMIA LOUISE POWER, 50 Landon St.
Instructor in Work with Children.

CAROLINE BURNITE, 223 Slater Av.
Lecturer on Work with Children.

ADELAIDE FRANCES EVANS, 59 Knox St.
Secretary and Reviser.

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STUDENTS

JUNIOR STUDENTS

Edna Isabel Allyn, 278 Harkness Av.

Ph. B., Hiram College, 1882, post-graduate work; M. A., Columbia University, 1903; librarian Iowa State Industrial School, 1903-04.

Mrs. Julia Concannon, Guilford House, Bellflower Av.

Graduate High School, Kankakee, Ill.; organizer library of Yankton College, 1900; Wisconsin Summer Library School, 1901; organizer library of Spearfish State Normal, 1901-02; librarian Hearst Free Library, Lead, S. Dak., 1902—

Elizabeth Bragdon Doren, 855 Fairmount St.

Graduate Normal School, Dayton; Oberlin College, 1896-97; Leland Stanford, Jr., University, 1897-99; student assistant, Oberlin College Library, 1896-97; custodian Sutro Library, San Francisco, 1900; Iowa Summer Library School, 1901; library student, Dayton Public Library, 1902.

Hortense Foglesong, 864 Stark Av.

Graduate High School and Miami Commercial College, Dayton; Harvard Summer School, 1895 and 1900.

Richard Alexander Lavell, 54 Hough Pl.

B. A., University of Minnesota, 1904; circulating department Minneapolis Public Library, 1901-04.

Frances Henrietta Lynch, 40 Knox St.

Miss Buckingham's private school, 1891-94, 1895-96; Rideau Street Convent; Ottawa, Ont., 1894-95; A. B., Smith College, 1900.

Zana Kate Miller, Guilford House, Bellflower Av.

Graduate of Downer College, seminary department, 1892; Ferry Hall Seminary, Lake Forest, Ill., 1892-94; Wisconsin Summer Library School, 1901, 1902; assistant Wisconsin Free Library Commission, one year; assistant at Armour Institute, five months; librarian Neenah (Wis.) Public Library until July, 1904.

Magdaline Rutan Newman, 843 Fairmount St.

Graduate Mechanicsburgh High School; Ohio Normal University, 1891 and 1893; Ohio Wesleyan University, 1894-95; Ohio State University, 1900-01, 1903-04.

Ernest James Reece, 59 Beersford Pl., East Cleveland.

Ph. B., Adelbert College, 1903.

Frances Elizabeth Root, 855 Fairmount St.

Oberlin College, 1899; A. B., Wells College, 1902; assistant Lorain Public Library, 1903.

Helen J. Stearns, Guilford House, Bellflower Av.

Moravian Seminary, Bethlehem, Pa., 1883-86; University of Denver, 1888-1900; private tutors, Germany, 1900-01; University of Chicago, summer of 1904.

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Eliza Ellen Townsend, 855 Fairmount St.
Graduate of Keokuk (Iowa) High School, 1897; six years University of Chicago Extension Lectures; Iowa Summer Library School, 1903, 1904; assistant Keokuk Public Library, 1903-04.

Carl Peter Paul Vitz, 45 Marvin St.
A. B., Adelbert College, 1904; Cleveland Public Library, 1898-1904; assistant Hatch Library, 1903-04.

Martha Wilson, Guilford House, Bellflower Av.
High School, Flora, Ill.; graduate Lester Seminary, Holden, Mo., 1890; University of Chicago, 1901.

SPECIAL STUDENTS

By special arrangement for the Cleveland Public and Adelbert College libraries, the following assistants from these libraries are also taking partial courses, with the privilege of taking a longer time to complete the full course:

Jane Thompson Beavis, 19 Walker St.
Graduate Cleveland High School, Cleveland Public Library, 1900—

Sarah Elizabeth Cotter, 42 Archwood Av.
Graduate Ravenna High School; Oberlin College, 1899-1900; Cleveland Public Library, 1900—

Mary Isabel Davis, 8 Turnbull Terrace, West Roy St.
Graduate Cleveland High School; New York State Library Summer School, 1902; Cleveland Public Library, 1900—

Edith Leona Eastman, 161 Avondale Av., Glenville, O.
Graduate Glenville High School; College for Women, Western Reserve University, 1900-04; C. P. L. Summer School, 1900; Adelbert College Library, 1900—

Juliet Alice Handerson, 444 Dunham Av.
B. L., College for Women, Western Reserve University, 1903; Cleveland Public Library, 1902—

Lura Lowell Haupt, 59 Chapman Av., East Cleveland.
B. A., College for Women, Western Reserve University, 1899; Cleveland Public Library, 1900—

Elizabeth Hubbell, Wickliffe, O.
Ph. B., College for Women, Western Reserve University, 1903; Cleveland Public Library, 1903—

Roena Alice Ingham, 153 Rhodes Av.
Graduate Cleveland High School; C. P. L. Summer School, 1898; Cleveland Public Library, 1897—

Stella Charlotte Norton, 901 Crawford Rd.
Graduate Cleveland Normal School; Ph. B., Oberlin College, 1900; Cleveland Public Library, 1902—

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Ada Mullins Pierson, 150 Harkness Av.
Graduate Cleveland High School; Cleveland Public Library, 1899—

Paulina Reich, 186 Woodbridge Av.
Graduate Cleveland High School; C. P. L. Summer School, 1900; Cleveland Public Library, 1900—

Clara Risdon, 108 Edgewood Pl.
Ph. B., College for Women, Western Reserve University, 1902; Adelbert College Library, 1901; Cleveland Public Library, 1902—

Bessie Hunt Shepard, The Pelton, 187 Jennings Av.
Graduate Ware (Mass.) High School; C. P. L. Summer School, 1900; Cleveland Public Library, 1900—

Mabel Clare Smith, 99 Mt. Vernon St.
Graduate Cleveland High School, College for Women, Western Reserve University, 1898-99; Cleveland Public Library, 1903—

Caroline Isabel Wales, 40 Knox St.
Toledo High School; Toledo Normal School, one year; Ursuline Convent, two years; Toledo Public Library, 1889—

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REQUIREMENTS FOR ADMISSION

All candidates for admission are expected to bring a maturity and a preparation which will fit them for work equal to that in graduate schools. Fitness will be determined by an examination which will be required of all. It will include literature; history, both general and current; general information concerning the sciences and arts; and a reading knowledge of two languages other than English. The examinations will be held in Cleveland on Tuesday and Wednesday, June 20 and 21, 1905. A fee of fifty cents will be charged to those taking the examination in Cleveland. For the convenience of applicants living at a distance, arrangements may be made to hold the examinations on the same days at other places. The request for such an arrangement should be made at the time of filing the application. Any additional expense for such examinations will be borne by the applicant. In the event that the class is not filled from the number of those taking this examination, another examination will be held on Thursday and Friday, September 7 and 8.

Applicants will be supplied with the regular form of application, and are requested to submit their academic record and degrees, if any, a record of any literary or educational work, and testimonials as to character and ability.

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COURSE OF STUDY

JUNIOR YEAR

	Courses
Reference Work and Bibliography	1, 2
General and Special Bibliography	1
Library Publications	1
Selection of Books	1
Classification	1
Cataloguing	1
Public Documents	1
Loan Work and Distributing Systems	1
Library Records	1
Library Office Routine	1
Bookbinding	1
Library Organization and Administration	1-3a, 7a
Library History	1-3
Work with Children	1
Note Taking and Library Hand	1-2
Lectures	1
Practical Work	1

SENIOR YEAR*

Reference Work and Bibliography	3
General and Special Bibliography	2, 3
Library Publications	2
Selection of Books	2
Classification	2, 3
Cataloguing	2
Indexing	1
Public Documents	2
Book-buying	1
Printing and Editing	1
Library Organization and Administration	3b-6, 7b
Library History	4-7
Lectures	2
Practical Work	2

*The Senior course will be given first in 1905-06, and at the date of going to press many details are still to be arranged.

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DESCRIPTION OF COURSES

BIBLIOGRAPHIC COURSES

REFERENCE WORK AND BIBLIOGRAPHY

MR. WILLIAMS.

1. REFERENCE WORK. A study of the standard works of reference, as the general and special encyclopædias, dictionaries, annuals, indexes to periodicals, ready reference manuals of every kind, and the more important newspapers and periodicals. Works of a similar scope will be compared, and the limitations of each pointed out. Lists of questions to be solved by the use of the works studied will be given, and the methods of finding the answers discussed in class. The aim of this course is not only to promote familiarity with a considerable number of well-known reference works, but also to give the student some idea of method in the handling of books, to familiarize him with the use of indexes, tables of contents, and varying forms of arrangement, and finally, to suggest some methods of comparison and evaluation. 39 hours.

2. BIBLIOGRAPHY. A study of the trade and national bibliography of the United States, England, France, and Germany, with a hasty survey of the other European countries. Special attention will be given to the United States and England, and to the bibliography of government publications. Familiarity with the works studied will be induced by practical problems. Special topics will be treated also, as the scope and utility of bibliography, bibliographical abbreviations, the limitations of trade bibliography, etc. The aim of this course is to give the student a practical knowledge of the trade books which may be useful in the work of the order department, and at the same time to furnish a basis for the advanced work of the second year. 14 hours.

3. ADVANCED REFERENCE WORK AND BIBLIOGRAPHY. This work, while based upon courses 1 and 2 in reference work and bibliography, differs radically from these in scope and method. It is designed to acquaint the student with the bibliographical resources of many

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important subjects, and as far as possible to bring him into actual contact with the important indexes, bibliographies, repertories, collections, society publications, periodicals, and source books of various kinds. Emphasis will be laid upon the subjects regarded as most important from the standpoint of the American library. 30 hours.

GENERAL AND SPECIAL BIBLIOGRAPHY

MR. SEVERANCE

1. BIBLIOGRAPHY. This course will treat of elementary bibliography and will introduce students to: (a) bibliographies of bibliography, (b) library catalogues under their bibliographical aspect, (c) encyclopædias bibliographically considered, (d) selected lists of "best books," and (e) national bibliographies (trade catalogues), both retrospective and current. 12 hours.

2. ADVANCED BIBLIOGRAPHY. The advanced course in bibliography will be an expansion of the work of the first year. Especial stress will be laid upon subject bibliography, and particular attention will be paid to bibliographies in foreign languages. Practical problems will be investigated and the attempt will be made to familiarize students with the more important works actually used in scholarly investigation. 12 hours.

3. Bibliography of science and useful arts. (Unassigned.)

LIBRARY PUBLICATIONS

MISS DOREN

1. AMERICAN PUBLICATIONS. Seminar each month for report and discussion of library publications, reports, catalogues, bulletins, special lists, and other subjects of kindred nature. 10 hours.

2. FOREIGN PUBLICATIONS. Continuation of course 1 with which it alternates fortnightly. 10 hours.

SELECTION OF BOOKS

MISS DOREN

MISS WHITTLESEY

1. The course in book selection will be conducted as a weekly reading seminar. It will be based upon (a) observation and report upon local community's conditions, interests, and book or reading privileges; (b) evaluation of books by classes with reference to content and treatment, and types and grades of readers. Also critical study of American periodical literature, especially in regard

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to book reviews. Annotation developed. Special emphasis will be placed upon current publications and the relation to current events. 43 hours.

2 (a). Annotation continued together with critical study of English and foreign periodicals, having special reference to book reviews. Group study of great books with special reference to the effectiveness of literature. Study of book needs of a large city population.

(b). Study and grouping of English fiction (including translations); compilation of special lists. 45 hours.

TECHNICAL COURSES*

CLASSIFICATION

MR. BRETT (3)
MISS CRAWFORD (1, 2)

1 (a). ELEMENTARY COURSE. The Decimal Classification (Dewey) and Expansive classification (Cutter) will be used as text-books, upon bases of subject relationships.

(b). BOOK NUMBERS. For book numbers the Simplified Library School rules will be taken as a convenient text, accompanied by the Cutter and the Cutter-Sanborn tables. Full notes on variations for public library and for college usages will be given. a and b, 45 hours.

2. SYSTEMS OF CLASSIFICATION. The course will lay special emphasis upon the practical work of classifying under supervision in a branch of the public library and the library of Adelbert College. In addition, there will be a course of lectures on the application of fundamentals to the needs of special collections such as music, art, portraits, clippings, etc. Both the Decimal and the Expansive classifications will be used as texts.

3. ADVANCED COURSE. The classification of knowledge.

*In addition to regular classroom practice in technical subjects, practical work will be assigned in the Public Library and its branches, and in the Adelbert College Library.

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CATALOGUING

MISS CRAWFORD

1 (a). ELEMENTARY COURSE. Special emphasis will be laid upon the perception of underlying principles rather than the following of any one code of rules. But the Simplified Library School rules, Cutter's Rules for a dictionary catalogue, A. L. A. Rules and A. L. A. List of subject headings will be used as convenient bases for constructing the codes to be used in the local college and branch libraries in which the instruction given in the class room will be exemplified. Instruction will be confined to dictionary cataloguing during the junior year, and will cover the usual points of author, title, imprint, notes, and added entries of all kinds.

Instruction and practice will include handwritten, typewritten and duplicated cards, the latter making use of various printed cards now available.

(b). ALPHABETING. Cutter's rules will be used as text, with variations where deemed advisable. In addition to the regular practice, each student will share the work of card-filing in the library catalogs and all work will be inspected. a and b, 75 hours.

2. ADVANCED COURSE. An amplification of the principles laid down in course 1, and their application to problems of library expansion such as branches, stations and departments and to special collections such as music and art. Classed cataloguing will be given due attention and comparison of codes will be continuous throughout the course. Practical work in cataloguing under supervision will be an important feature and the use of printed cards and other coöperative aids will be exemplified. 60 hours.

INDEXING

MISS CRAWFORD

1. The principles of indexing will be deduced and differentiated from those of cataloguing and the applications indicated for books, clipping files, and official records, such as those of executive boards, legislative bodies, and others. 10 hours.

PUBLIC DOCUMENTS

MISS MANN

1. The work in public documents is intended to familiarize students with the publications of the government through a study of the methods employed in printing, binding, indexing and distributing

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these documents, and by an examination of the methods of reporting the work carried on by Congress and the executive departments, together with a brief history of the organization of these departments. 10 hours.

2. Foreign documents (to be assigned).

LOAN WORK AND DISTRIBUTING SYSTEMS

MISS WHITTLESEY

MISS EASTMAN

1. This will involve the comparative study of types of loan systems, the subsidiary work in connection with book circulation such as registration, loan statistics, health reports, prevention of contagion, care of shelves, training of pages, contact with the public and the varied means of bringing books to public attention and use. Students will have practice in connection with the various branches of the Cleveland Public library and with Adelbert College library. 12 hours.

LIBRARY RECORDS

MISS WHITTLESEY

1 (a). ORDER WORK. This will include instruction and practice in the use of trade bibliographies, the technical routine and the records necessary for intelligent and systematic conduct of book-buying in public and college libraries.

(b). ACCESSIONING. The A. L. A. Standard and condensed accession books and rules will be used as texts for instruction. Attention will also be paid to other ways of keeping the accession records than by accession books.

(c). SERIALS. The ordering, receipt, acknowledgment, and care of all serial publications, so far as their treatment varies from that of other books.

(d). DUPLICATES AND GIFTS. A resumé of policies and suggestions for practice in the average public or college library. 18 hours.

BOOK-BUYING

MR. BRETT (or MISS DOREN)

1. A supplementary course to selection of books, dealing with book collecting as a commercial and economic problem; apportionment of book fund to various classes of books, taking into considera-

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tion such factors as book markets and the local needs and interests; apportionment for older standard works, and current publications; selection from second-hand lists; American and English editions, and importations. 5 hours.

PRINTING AND EDITING

[UNASSIGNED]

1. Preparation of copy; fonts of type; principles of composition, and design of page; methods of book illustrating; class visits to local publishing houses. 5 hours.

LIBRARY OFFICE ROUTINE

MR. BRETT
MISS EVANS

1. This course includes a resumé of business principles and ethics, methods, correspondence forms, filing systems, proofreading, and kindred topics. 4 hours.

BOOKBINDING AND REPAIR

MISS WOODARD

1. A practical course describing the materials, tools and successive processes of bookbinding, and illustrating them by actual work. The necessary records and directions for sending books to and receiving them from the bindery. 10 hours.

ADMINISTRATION

LIBRARY ORGANIZATION AND ADMINISTRATION

MR. BRETT (1, 2, 4, 5)
MISS DOREN (3)
MISS EASTMAN (6, 7)

1. THE GOVERNMENT OF LIBRARIES. The relations of the librarian to the library board and the library staff.

2. ARCHITECTURE. Principles of library planning as applied to smaller libraries and branch libraries.

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3. THE SMALL LIBRARY. (a) Interior economy and administration for despatch of library routine and direction of work in all departments, having in view the most efficient and economical service to the public.

Practical exercise and observation in developing and directing reading taste, including discussion and exhibit of such means as story and reading hours, bulletins, book lists, posting excerpts of current books, popularizing catalogue use by the public, annotation, reading slips, etc.

The problems of organization and administration of a small library to be worked out and submitted in diagram from observation and practice at the various stations and branches of the Cleveland Public Library.

Courses 1-3a, 45 hours.

(b) The same problems will be worked out constructively for public libraries varying in respect to size, type, and social conditions of the community served.

4. SUPPORT, CIVIC FUNCTIONS. Legislation, founding, funds, endowment, civic and educational inter-relation.

5. LIBRARY ARCHITECTURE. Housing of books; library buildings and equipment. Special attention to the problems of the larger libraries.

6. EXTENSION AND SUPERVISION. The problems of supervision and extension as applied to the individual library; departments, branches and stations, exhibits, museums and galleries, library lectures, work with the schools, clubs, factories, social settlements, home libraries, special work for the blind, civic betterment.

7. REPORTS AND STATISTICS. (a) An analytical and constructive study of reports and statistics in their vital relation to the practical work of the library. (b) Compilation and comparative study of library, educational and social statistics.

Courses 3b-7, 35 hours.

LIBRARY HISTORY

MR. BRETT (1)
MR. ORR (2)
MISS DOREN (3, 4)
MR. ROOT (5)
MISS EASTMAN (7)

1. General. Public libraries in America. History of library legislation.

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2. History, functions, and relations of proprietary and endowed libraries in America. Ohio Library commission. Ohio State library.

3. Library schools and associations.

Courses 1-3, 8 hours.

4. History of the transmission of learning; printing and writing materials; bookbinding; the book trade.

5. HISTORY OF THE PRINTED BOOK. A course of lectures treating of the origin of printing, the development of the art, notable printers and publishers, and the methods of printing and publishing establishments of the present day. Practical exercises and the preparation of papers on topics suggested by the lectures.

6. History of Education (to be arranged).

7. Foreign libraries; English and Continental libraries; foreign bibliographical societies and library associations; library training abroad.

Courses 4-7, 35 hours.

WORK WITH CHILDREN

MISS POWER

MISS BURNITE

Methods and aims in work with children, principles of book selection, planning and equipment of children's rooms, the story hour, home libraries, summer playground work, children's reference work, simplified cataloguing of juvenile books. This is not a sufficiently extensive course for those intending to specialize as children's librarians, but such a general survey of the work as should be had by every intelligent library worker. 12 hours.

MISCELLANEOUS

LECTURES

Lectures will also be given by members of the Library school faculty and others on the following subjects:

1. Library advertising: foreign books in American libraries; book plates; book collecting; limited editions; special collections; state libraries. 12 hours.

2. Special collections, as in law, technology, music, art; state libraries; state library commissions; museums. 10 hours.

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NOTE TAKING AND LIBRARY HAND

MISS CRAWFORD

1. NOTE-TAKING. Lecture notes of individual students will be scanned occasionally with the aim of developing in each student the power of quick perception of essentials, their concise statement and orderly preservation.

2. LIBRARY HANDWRITING. Students are advised to acquire a good library handwriting before entering the school, as no time will be set aside for definite practice. The date at which actual record work may be entrusted to the student will be influenced by the excellence of his handwriting. Equal emphasis will be laid upon script and print forms. The school will furnish models to any accepted applicant upon receipt of postage.

Ability to use the typewriter will be expected of each student, but no time will be set aside for instruction in its use. It is recommended that the skill be acquired before entrance.

PRACTICAL WORK

1-2. A certain amount of practical work will be required in the Cleveland libraries; this will be planned primarily for the benefit of the students rather than the libraries, and only such work will be required as seems necessary to a practical knowledge of each subject.

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GENERAL INFORMATION

LIBRARY VISITS

The Easter recess will be occupied by a trip in which a series of libraries will be visited for purposes of study and comparison. These journeys and the visits to the libraries will be under the direction of members of the faculty; they are regarded as an important part of the instruction and all students are expected to take them. Two trips will be planned which will be taken on alternate years and will together include the libraries of Boston and other important New England cities, New York, Newark, Philadelphia, Washington, Baltimore and Pittsburgh. Thus during a two years' course the student will have an opportunity of visiting and studying the most important libraries of the Eastern States. The expense of these trips will be from sixty to seventy-five dollars each.

LOCATION OF THE SCHOOL

The school occupies commodious rooms in Adelbert Hall on the college campus. These include a school room with a reference library, lecture room, offices for the faculty, and other necessary rooms, and provide satisfactorily for the work of the school and the comfort of the students.

ENDOWMENT

The endowment is $100,000, the gift of Mr. Andrew Carnegie, the income of which is used for current expenses of the school.

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LIBRARIES

The school has a conveniently arranged reference library for the use of the students. This includes the important reference works, such as the American, English, German, and French trade bibliographies, encyclopædias, dictionaries, catalogues, and bibliographical and bibliothecal books and periodicals. This will be increased from year to year. A collection of books is being made, sufficiently comprehensive to exemplify the problems of classification and cataloging, which will be kept unstamped and unlabeled for the use of the students.

The students will also have the use of the following libraries for study and reference, and will be expected to do a portion of their reference work in them:

The Hatch library of Adelbert College occupying a library building on the campus within convenient reach of Adelbert Hall and having a collection of 50,000 volumes. This is a valuable general reference library, and includes important special collections in literature, philosophy, the French Revolution, and much valuable bibliography.

The Public library numbering 235,000 volumes, five branches, seven sub-branches and thirty-six stations.

The Case library with a fine general collection of over 50,000 volumes, in the Caxton Building near the center of the city. The free use of this library is a special privilege granted to the University by the library trustees.

The Western Reserve Historical library near the campus, with a collection of over 20,000 volumes, mainly local history and genealogy, with many manuscripts and an interesting museum.

The following, and several other libraries in the city, while only open for the use of members, may be visited and inspected by the students:—

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The library of the Medical Library Society of over 10,0000 volumes, 586 Prospect St.

The Cleveland Law library of 20,000 volumes in the Court House.

These various libraries offer the opportunity to study fair examples of most of the important types of American libraries.

The extensions of the Public library rendered possible by the gift of two hundred and fifty thousand dollars from Mr. Andrew Carnegie for the purpose of building seven branch libraries, will furnish an object lesson in library planning, building and organization. One of these branches is completed and in successful operation and as this goes to press another is about to be dedicated, two others are in process of erection and plans for a fifth made.

UNIVERSITY ADVANTAGES

Students of the Library School are admitted without extra charge to such classes in Adelbert College, the College for Women, and the Graduate School, as they are fitted to enter. They also have the privilege of attending public lectures given at Adelbert College, the College for Women and Case School of Applied Science. The gymnasium of Adelbert College and that of the College for Women will be available for the use of the students.

GRADUATION AND DEGREE

The requirements for graduation are the satisfactory completion of the junior and senior courses of study and the presentation of a satisfactory bibliography and a thesis upon subjects chosen with the approval of the faculty. The degree of Bachelor of Library Science will be conferred upon graduates of the school.

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EXPENSES

The fee for tuition is one hundred dollars per year. This fee is payable fifty dollars at the beginning of the year, and fifty dollars at the beginning of the second half-year in February. The expense for stationery and other material used should not exceed twenty-five dollars per year; the cost of the necessary books for the entire course will probably not exceed the same amount. No matriculation fee will be charged.

Beginning with Commencement, 1906, a graduation fee will be charged.

Rooms and board may be procured in the vicinity of the University for from $5 to $8 a week.

For further information address the Dean, W. H. Brett, Adelbert Hall, Western Reserve University.

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GENERAL SUMMARY

TRUSTEES, INSTRUCTORS AND OTHER OFFICERS

TRUSTEES.		
Western Reserve University only	7	
Adelbert College only	7	
Members of Both Corporations	17	
	—	31
ADVISORY COUNCIL (College for Women)	29	
Corresponding Members	15	
	—	44
INSTRUCTORS.		
Professors	56	
Associate Professors	6	
Assistant Professors	11	
Instructors	27	
Lecturers	9	
Demonstrators	31	
Assistants	21	
Non-Resident Lecturers (1903-1904)	1	
	—	162
Librarians and Library Assistants	4	
Other Officers	14	
	—	18
Total		180

STUDENTS

Adelbert College	250
The College for Women	242
The Graduate School	11
The Medical College	71
The Law School	126
The Dental College	79
The Library School	29
Total	808

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APPENDIX I

DEGREES CONFERRED AT COMMENCEMENT, 1904

ADELBERT COLLEGE

BACHELOR OF ARTS

Ralph Ezra Chapel,
(*magna cum laude*),
William Jay Dawley,
George Tuttle Filius,
Raymond Forest Fritz,
(*magna cum laude*),
Emil William Guelzow,
Frank Elmer Hale,
(*magna cum laude*),
William Henry Charles Heinmiller,
(*magna cum laude*),
Percy R. Jenks,
(*cum laude*),
Wade Oakly Hulbert,
Leonard Corwin Loomis,
(*magna cum laude*),
Auverne Selwyn Mann,
Emery E. Stevens,
Howard Clifford Summers,
(*cum laude*),
Carl Peter Paul Vitz,
(*magna cum laude*),
Raymond Crandall Warner,
Howard Rees Williams,
Charles Clarence Williamson,
(*magna cum laude*),

BACHELORS OF LETTERS

Hiram Henry Canfield,
John Adam Eisenhauer, Jr.
(*cum laude*),
Noyes Billings Prentice, Jr.,
Robert Algar Woolfolk.

BACHELORS OF PHILOSOPHY

Albert Frank Counts,
Clyde Lottridge Cummer,
(*magna cum laude*),
Milo Hart Evans,
Robert Crosby Lowe,
(*magna cum laude*),
Arthur Fraw McArthur,
Forest Oliver March,
Victor Garfield Mills,
(*magna cum laude*),
Edmond De Witt Neer,
Arthur Price Nutt,
John Frederic Oberlin,
(*summa cum laude*),
Raymond Patton,
(*cum laude*),
Frank Herson Pelton,
Frederick Early Pfeiffer,
Ulrich John Pfeiffer,
Ralph Roscoe Proctor,
Olvia Burnell Sharp,
Joseph Frank Williams,
(*cum laude*).

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THE COLLEGE FOR WOMEN

BACHELORS OF ARTS

Florence Ellinwood Allen,
Alma Gertrude Gleason,
Alice Constance Hagan,
Ethel Irene Jones,
Louise Reber Layman,
Florence Agnes Lessick,
Mary Jeannette Proudfoot,
Florence Alice Reeve,
Ruhamah Georgette Smith,
Fannie Langhorne Stoney,
Mary Emily Van Epps,
Josephine Depear Walsh,
Cecily Whelan,
Ethel Ogarita Weimer.

BACHELORS OF LETTERS

Carlyne Margaret Buschman,
Agnes Mary Doster,
Fanny Alice Dunsford,
Ella Konigslow,
Rhoda Landsberg,
Irma Linn,
Emma Bean McKim,
Sarah Emily McMurray,
Wilamina Morrow,
Florence Elizabeth Myers,
Zillah Genevieve Quayle,
Etta Anthony Sampliner,
Clara Beth Schneider,
Anna Groh Seesholtz,
Lillian Belle Stilwell,
Mary Helen Thayer,
Katie Weis,
Eleanor Worthington.

BACHELORS OF PHILOSOPHY

Katherine Evelyn Collord,
Grayce Mildred Daniels,
Jessie Edna Daniels,
Lois Violet Ellet,
Madge Ina Ferry,
Hortense Furth,
Bessie Gilmer,
Jennie Adele Gleeson,
Susan Elizabeth Gray,
Edith Mabel Hill,
Frances Antoinette Hinde,
Mary Estelle Hopkinson,
Theresa Dorothy Luck,
Mabelle Amele Monson,
Emma May Mumaw,
Addie Ellen Oakley,
Lillian Elizabeth Oakley,
Frances Isabel Odlin,
Beulah Blanch Smith,
Mary Wittler.

THE GRADUATE SCHOOL

MASTERS OF ARTS

John Alvin Alburn, A. B.,
Charles Warner Paine, B. S.,
Carroll Adelbert Peabody, B. L.,
Raymond Vincent Phelan, Ph. B.

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THE MEDICAL COLLEGE

DOCTORS OF MEDICINE

Samuel Sylvester Berger,
John Henry Brett,
Shepard H. Burroughs,
Albert Emmons Connell,
John Buchanan Donaldson,
Henry George Golden, A. B.,
Isadore Jacob Goodman,
Albert Thomas Grills,
Ardon Philo Hammond,
Frank Carlton Hoskins,
Perry Firestone King, B. S.,
Emanuel Manny Koblitz,
Carl Henri Lenhart, Ph. B.,
Wade Allison Lewis,
George Washington Magargee,
Sidney Morrill McCurdy,
Russell Hunter McClure,
R. M. Manley, B. S.
Karl Elmer Ochs,
Nicholas Aloysius O'Connor,
Charles Trumbo Pankhurst,
William Arthur Schlesinger,
Demba Morton Spicer,
John Alfred Staral,
Harry Minch Tarr,
Jesse Eugene Thompson,
Bert Emerson Tyler,
John Henry Wells,
Harvey Elmer Yoder,
Samuel Alexander Young,
William Otto Ziemer.

THE LAW SCHOOL

BACHELORS OF LAW

John Alvin Alburn, A. B.,
Max Leonard Bernsteen,
Clinton Lorrin Case, B. S.,
Allen Sidney Davis, B. S.,
Fred Desberg,
Eli Edwin Doster,
Walter Thomas Dunmore, A. B.,
Benjamin Feniger,
David Edward Green, B. S.,
Ben Haber, B. L.,
Ernest True Hall,
Theodore Hall, Jr., A. B.,
Hugh Edmund Hawthorne, Ph. B.,
Morris William Kastriner, A. B.,
William Kurzenberger,
Henry Lustig,
Eugene Curie Mathievet,
Walter Charles McClure, A. B.,
Adrian G. Newcomb,
Herman Joel Nord, Ph. B.,
Harrington Simpson,
Edward P. Strong,
Henry Young.

THE DENTAL COLLEGE

DOCTORS OF DENTAL SURGERY

Byron Hugo Bowman,
Martin Vanburen Boyd,
Arthur Ira Brown, M. D.,
(*honorable mention*),
George Humphrey Camp,
Walter B. Challis,
Frank Paul Leonard,
John Francis McDonagh,
Nicholas Newbury Mooney,
Abram Wentworth Ostrander,
Joseph Norval Renouf,
Don Arthur Richards,

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Leslie Merle Christie,
(*honorable mention*),
William Clarence Cooper,
Will Eugene Culp,
Harry Dixon,
Andrews George Donaldson,
(*honorable mention*),
Butler White Donaldson,
Herbert Hamlin Dowd,
Otto Frances Dusek,
John William Frasier,
Ralph Barclay Holeman,
Raymond Edward Jackson,
Harry Henry Rosenberger,
Frank Daniel Segur,
Ossip Solomon Shube,
(*honorable mention*),
Laureu Lindenberger Smith,
Wilbur Allen Smith,
Tyrell M. Strangways,
Ross Clayton Unger,
(*honorable mention*),
Carl Henry Wadsworth,
Edwin Wendell Walker,
(*honorable mention*),
Edward Arthur Womachka,
(*honorable mention*).

HONORS AND PRIZES

ADELBERT COLLEGE

Commencement Honors

First Honor—John Frederick Oberlin.
Second Honor—Carl Peter Paul Vitz.
Third Honor—William Henry Charles Heinmiller.

Junior Honors

Equal Scholarship Honors to
Oliver Jones, Andrew Bracken White,
Chester Marvin Wallace.

Phi Beta Kappa Society

Nominated for Membership, June, 1904.

SENIORS

Clyde Lottridge Cummer, Robert Crosby Lowe,
Rayman Forrest Fritz, Victor Garfield Mills,
William H. C. Heinmiller, Charles Clarence Williamson.

JUNIORS

Oliver Jones, Andrew Bracken White,
Chester Marvin Wallace.

The Two Year Honor in Chemistry to
Fred Newton Burroughs, Ernest McKelvey.

The Two Year Honor in French to
Gustav George Laubscher, Henry Albright Mattill.

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The Two Year Honor in German to
Gustav George Laubscher, Ford Gramlich,
Charles Orton Osborne.

The Two Year Honor in Greek to
Ford Gramlich, Howard Thomas McMyler.

The Two Year Honor in Latin to
Charles Elmer Gehlke, Howard Thomas McMyler,
Albert Ralph Stickle.

The Two Year Honor in Mathematics to
Fred Newton Burroughs, Gustav George Laubscher,
Howard Thomas McMyler.

THE HANDY PHILOSOPHICAL PRIZE

Carl Peter Paul Vitz.

HARRIET PELTON PERKINS SCHOLARSHIP

Oliver Jones.

PRESIDENT'S PRIZES

For the highest records for the Freshman Year in:

English
First Prize—Simon Rosenthal Goldsmith.
Second Prize—John Howard Dellinger.

French and German (Modern Language Course)
Equally to
Simon Rosenthal Goldsmith *and*
Otto Joseph Zinner.

German (Classical and Latin Scientific Courses)
George Samuel Friebolin.

Greek
August John Walter Horst.

Latin
Simon Rosenthal Goldsmith.

Mathematics
First Prize—Simon Rosenthal Goldsmith.
Second Prize—John Howard Dellinger.

Gymnasium
Edgar Roy Wise.

Junior-Sophomore Oratorical Contest
First Junior Prize—Wallace Trevor Holliday.
First Sophomore Prize—Eugene Everett Wolf.
Second Prize (irrespective of class)—Walter Henry Cook.

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THE RUPERT HUGHES PRIZES

For the best Poem

First Prize—William Jerome Wilson.
Second Prize—Rayman Forest Fritz.

THE DEBATE PRIZE

Divided equally between

John Clayton Barclay,
Ralph Ezra Chapel,
John Adam Eisenhauer, Jr.,
Paul Marvin Pope,
Loren Edmunds Souers,
Don Rollin Sipe.

THE COLLEGE FOR WOMEN

THE PRESIDENT'S PRIZES

For Freshman Work in the Gymnasium

First—Ruth Shirk Allison.
Second—Flora Ruth Schneider.

THE HOLDEN PRIZE

For the best English Essay written by a Senior or Junior

Irma Linn.

ALUMNI ASSOCIATIONS

ADELBERT COLLEGE

President, MARTYN BONNELL, 1872, Cleveland.
Vice President, CHAS. W. STAGE, 1892, Cleveland.
Recording Secretary, OSCAR J. HORN, 1895, Cleveland.
Corresponding Secretary, SHERMAN ARTER, 1886, Cleveland.
Necrologist, REV. WILLIAM H. JONES, 1887, Cleveland.

VISITING COMMITTEE OF ALUMNI

REV. A. C. LUDLOW, 1884, Cleveland.
J. W. MCLANE, 1883, Cleveland.
REV. E. P. CLEAVELAND, 1878, Fredonia, N. Y.

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THE COLLEGE FOR WOMEN

President, MARY BUTLER THWING, 1901, Cleveland.
Vice President, NORMA JEANNETTE SMITH, 1901, Willoughby, O.
Recording Secretary, WINIFRED STORER, 1900, Cleveland.
Corresponding Secretary, INEZ ECCLESTON HARING, 1898, Cleveland.
Treasurer, EVELYN COLLINS BINGHAM, 1902, Cleveland.

FINANCE COMMITTEE

KATHERINE CROXTON, 1896, Cleveland.
EDITH ANNETTE HUGHES, 1899, Cleveland.

THE MEDICAL COLLEGE

President, DR. CHARLES C. STUART, 1895, Cleveland.
Vice Presidents, DR. O. T. MAYNARD, 1884, Elyria, O.
DR. E. H. SEASON, 1898, Cleveland.
Recording Secretary, DR. G. C. ASHMUN, 1873, Cleveland.
Corresponding Secretary, DR. W. S. HOBSON, 1898, Cleveland.
Treasurer, DR. MARTIN FRIEDRICH, 1894, Cleveland.

THE LAW SCHOOL

President, WM. A. CAREY, 1899, Cleveland.
Vice Presidents, JULIAN TYLER, 1902, Cleveland.
VERNON T. STANDFORD, 1903.
Secretary, ALBERT MANNING, 1898, Cleveland.
Treasurer, O. J. HORN, 1898, Cleveland.

THE DENTAL COLLEGE

President, L. L. BOSWORTH, D. D. S., 1897, Cleveland.
Vice President, F. L. MILES, D. D. S., 1897, Cleveland.
Secretary-Treasurer, G. A. KENNEDY, D. D. S., 1895, Cleveland.

LOCAL ASSOCIATIONS

FOUNDED 1902

NEW YORK ASSOCIATION

President, REV. JOSIAH STRONG, D. D., 1869, New York City.
Vice President, WM. P. UPSON, 1878, New York City.
Secretary, J. T. EMERY, 1899, 32 Liberty St., New York City.
Treasurer, FRED A. DIBBLE, 1895, New York City.

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WASHINGTON ASSOCIATION

President, W. H. BALDWIN, 1871, Washington, D. C.
Secretary, JOHN H. DYNES, 1891, 1300 30th St., Washington, D. C.

NORTHWEST ALUMNI CLUB, CHICAGO

President, REV. R. D. SCOTT, 1872, Chicago. [Chicago.
Secretary, H. W. PIERSON, M. D., 1881, 809 Marshall Field Building,
Treasurer, ALICE MAUDE MCKINLEY, 1896, Chicago.

CINCINNATI ASSOCIATION

President, REV. HENRY M. CURTIS, 1871, Cincinnati.
Vice President, DR. J. C. REEVE, 1851, Dayton.
Secretary, JOHN E. BRUCE, 1876, Cincinnati.

BOSTON ASSOCIATION

President, REV. EDGER S. WIERS, 1895, Billerica, Mass. [Mass.
Secretary, REV. WM. A. KNIGHT, 1886, Brighton Parsonage, Boston,
Treasurer, MRS. J. ALLEN SMITH, 1897, Newton, Mass.

CLEVELAND ASSOCIATION

President, JOHN H. CLARKE, 1877, Cleveland.
Vice President, FRANK S. MCGOWAN, 1890, Cleveland.
Secretary, SHERMAN ARTER, 1886, Cleveland.

INDIANA ALUMNI CLUB

President, R. E. HOUGHTON, Richmond.
Secretary, JAMES A. ROBACH, 1884.

COLUMBUS ASSOCIATION

President, ALLEN C. BARROWS, 1861, Columbus.
Secretary, CAROLINE HARDY, 1901, Columbus.

PITTSBURG ASSOCIATION

President, DR. A. S. DAGGETTE, 1881, Pittsburg.
Vice President, DR. I. J. MOYER, 1886, Pittsburg.
Secretary, JOHN D. EVANS, 1897, Pittsburg.
Treasurer, G. G. TURFLEY, 1879, Pittsburg.

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APPENDIX II

ARTICLES OF INCORPORATION OF THE WESTERN RESERVE UNIVERSITY.

We, the undersigned, Rutherford B. Hayes, William J. Boardman, Joseph Perkins, Truman P. Handy, Gustav C. E. Weber, Samuel E. Williamson, George H. Ely, Carroll Cutler, citizens of the State of Ohio, with the view of forming a corporation in pursuance of the Revised Statutes of this State of Ohio, do make, enter into and adopt the following Articles of Incorporation:

ARTICLE I.

The name of the corporation shall be WESTERN RESERVE UNIVERSITY.

ARTICLE II.

The said corporation shall be located in the city of Cleveland, county of Cuyahoga, and State of Ohio.

ARTICLE III.

The purpose for which said corporation is formed is to organize, establish and maintain in said city of Cleveland a University for the promotion of learning by means of Departments of Medicine, of Law, of Philosophy, of Art, of Music, and such other means of education as may be deemed advisable by the Board of Trustees of said corporation.

RUTHERFORD B. HAYES,
WILLIAM J. BOARDMAN,
JOSEPH PERKINS,
TRUMAN P. HANDY,
GUSTAV C. E. WEBER,
SAMUEL E. WILLIAMSON,
GEORGE H. ELY,
CARROLL CUTLER.

Cleveland, April 5, 1884.

AN ACT

To incorporate the Trustees of the Western Reserve College.

Section 1. Be it enacted by the General Assembly of the State of Ohio, That George Swift and Zalmon Fitch, of Trumbull county: Caleb Pitkin, Elizur Wright, John Seward, Jr., Benjamin Fenn, Joshua B. Sherwood and David Hudson, of Portage county; Stephen I. Bradstreet and Simeon Woodruff, of Cuyahoga county; Henry Brown and Herman Kingsbury, of Lorain county and their successors, be, and they are hereby created a body politic and corporate, to be styled the Board of Trustees of the Western Reserve College, and by that name to remain in perpetual succession, with full powers to sue and be sued, plead and be pleaded; to acquire, hold, and convey property, real and personal; to have and use a common seal; to alter and renew the same at pleasure; to make and

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alter from time to time such by-laws as they may deem necessary for the government of said institution, its officers and servants. *Provided,* such by-laws are not inconsistent with the Constitution and the Laws of the United States, or of this State; also to have power to confer on those whom they may deem worthy, all such honors and degrees as are usually conferred in similar institutions.

Sec. 2. That the said College shall be located in the township of Hudson, in the county of Portage, and shall be erected on a plan sufficiently extensive to afford instruction in the Liberal Arts and Sciences, and the Trustees may, as their ability shall increase, and the interests of the community require, erect additional departments for the study of any or all of the liberal professions.

Sec. 3. That the Board of Trustees shall, from time to time, appoint a President, Vice-President, and other officers and instructors, and also such servants of the institution as may be necessary; and shall have power to displace any or either of them for good and sufficient reasons; and also to fill vacancies which may happen by resignation, death or otherwise, in said Board or among said officers or said servants; and also to prescribe and direct the course of study to be pursued in said institution and its departments.

Sec. 4. The President of the College shall be ex-officio, a member of the Board of Trustees and President of the same; and in his absence the Vice-President shall preside in the meeting of the Board; and in the absence of both the President and Vice-President the Board shall elect one of their own members to preside for the time being. *Provided,* that if any of said Trustees shall be permanently appointed President of said College, his office of Trustee shall be deemed vacant, and the Board of Trustees shall fill the same accordingly.

Sec. 5. That the Board of Trustees shall consist of twelve members,* exclusive of the President, any seven of whom shall constitute a quorum to do business; said Board of Trustees shall hold their first annual meeting in the township of Hudson, on the first Wednesday of March, eighteen hundred and twenty-six; and afterwards they shall meet on their own appointments, but in cases of emergency the President, with the advice of two Trustees, may call a special meeting of the Board, or any five members may call such meeting by giving notice to each member at least ten days before the time of said meeting.

Sec. 6. The Board of Trustees shall faithfully apply all funds by them collected or received, according to their best judgment, in erecting suitable buildings, supporting the necessary officers, instructors and servants, and in procuring books, maps, charts, globes, and other apparatus necessary to the success of the institution. *Provided, nevertheless,* that in any case any donation or bequest shall be made for particular purposes accordant with the design of this institution, and the Corporation shall receive and accept the same, every donation or bequest shall be applied in conformity to the conditions or design expressed by the donor.

Sec. 7. The Treasurer of the institution shall always, and all

*Subsequently amended by the General Statutes of Ohio, so as to increase the number to twenty-four and the quorum to thirteen.

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other agents when required, before entering on the duties of their appointments, give bonds for the security of the Corporation and of the public in such penal sums and with such securities as the Board of Trustees shall approve, and that all process against the Corporation shall be by summons, and the service of the same shall be by leaving an attested copy thereof with the Treasurer, at least thirty days before the return thereof.

Sec. 8. That the Legislature shall have a right to alter or amend this act when they deem it necessary. *Provided*, that no fund or property belonging to said College shall ever be by law appropriated to any other purpose.

WM. W. IRVIN,
Speaker of the House of Representatives.
ALLEN TRIMBLE,
January 7, 1826. Speaker of the Senate.

AN ACT

To amend an act entitled "An act to incorporate the Trustees of the Western Reserve College," passed January 7th, 1826.

Section 1. Be it enacted by the General Assembly of the State of Ohio, That the Trustees of the Western Reserve College shall be, and hereby are authorized to establish the Medical Department, contemplated by the act of which this is amendatory, in the City of Cleveland, in the same manner and with like power to confer degrees and award diplomas, as though the same department had been established under said act hereby amended, at Hudson.

JOHN M. GALLAGHER,
Speaker of the House of Representatives.
THOMAS W. BARTLEY,
February 23d, A. D., 1844. Speaker of the Senate.

State of Ohio, Summit County, ss.

IN COURT OF COMMON PLEAS,
September Term, 1881.

Board of Trustees of the Western Reserve College, Plaintiffs. To change name.

Journal, Vol. 24, page 191. Transcript of Journal Entry.

This cause came on to be heard upon petition of the Board of Trustees of the Western Reserve College, a Corporation the principal office of which is located in the county of Summit, in the State of Ohio, for a change of the name of said Corporation to Adelbert College of Western Reserve University, and the evidence, on consideration whereof the Courts find that thirty days' notice of the object and prayer of the petitioners has been given by publication in a newspaper of general circulation in said county, according to law, that all of the statements in said petition contained are true, and that there is good cause for the change of name prayed for in said petition. It is therefore ordered by the Court that the name of said Corporation be and the same is hereby changed from the Board of Trustees of the Western Reserve College to Adelbert College of Western Reserve University.

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DIRECTORY

The names of instructors and officers are printed in italics. Each name is followed by an abbreviation indicating the department to which the person belongs, viz:—A, Adelbert College; D, Dental Department; G, Graduate Department; L, Law School; Ly, Library School; M, Medical College; W, College for Women.

Acker, F.—D.....170 Clinton St.
Ackerman, M.—L..... Adelbert Hall
Adams, E. K.—W.....46 Knox St.
Adams, P. M.—A.....Adelbert Hall
Ahrens, E. C.—W.....6 Evergreen St.
Aikins, H. A.—W.....40 Cornell St.
Akins, A. L.—W.....715 Republic St.
Albl, C. J.—M.....1406 Broadway
Alburn, C. R.—A.....201 Adelbert St.
Alburn, L. A.—W.....Haydn Hall
Alden, C. E.—L.....70 Halsey St.
Alexander, D. G.—A....65 Jennings Av.
Alexander, L.—A.....252 Sibley St.
Allen, A. B.—W.....Haydn Hall
Allen, D. P.—M.....260 Euclid Av.
Allen, F. L.—A.....94 Harbor St.
Allen, L. C.—W.....90 Kenilworth St.
Allison, A. L. R.—A.....92 Fourth Av.
Allison, E. N.—D.....121 Chestnut St.
Allison, R. S.—W.....Haydn Hall
Allyn, E. I.—Ly.....278 Harkness Av.
Ambler, H. L.—D.....176 Euclid Av.
Amerman, J. L.—L.....33 Vienna St.
Anderson, D. S.—L.....1055 Detroit St.
Anderson, M. E.—W....Guilford House
Anderson, T. B.—A...201 Adelbert St
Andrew, V.—W.....Haydn Hall
Andrews, E. R.—A.....Adelbert Hall
Andrews, W. F.—L.....177 Adelbert St.
Annin, E. C.—W.....Guilford House.
Anson, J. W.—D.....57 Sibley St.
Anway, F. L.—D.....89 Handy St.
Arbuthnot, C. C.—A...10 Adelbert Hall
Armstrong, T. E.—D..429½ Superior St.
Arnold, G. W.—A.....Rocky River
Arosemena, L. A.—D..8 Royal Arms, Handy St.
Ashmun, G. C.—M.....794 Republic St.
Atchison, J. B.—D.....11 Cheshire St.
Austin, J. B.—M.....2230 Euclid Av.
Avery, L. C.—W...657 Woodland Hills

Babbitt, S. A.—W.....56 Mayfield St.
Bacon, J. H.—M.....Lakeside Hospital
Baker, E. H.—L.....35 Nantucket St.
Baker, L. G.—W.....Guilford House
Baldwin, A. C.—A....361 Crawford Rd.
Baldwin, E. A.—W.....745 Giddings Av.
Banker, N. S.—M.....175 Chestnut St.
Bard, H. L.—A.....1341 Lorain St.
Barden, J. P. Jr.—A.....201 Adelbert St.
Barkley, J. C.—A...1406 Lexington Av.
Barnard, B. C.—M.....114 Whitney Av.
Barnes, O. R.—L.....168 Streator Av.
Barnes, R. P.—D.....11 Cheshire St.
Barnett, G. F.—A.....Euclid Heights
Barnett, H. B.—A.....1640 Pearl St.
Barr, L. D.—L.....1812 Doan St.
Barr, W. E.—A....156 Murray Hill Av.
Battershell, C. F.—A.....West Park
Beavis, J. T.—Ly.....19 Walker St.
Becker, H. A.—M...105 Lennox Bldg.
Beckenbach, M. F.—W.....53 Fifth Av.
Beiter, J. R.—M.....4 Wycomb Pl.
Bell, A. W.—A.....50 Belvidere St.
Bell, C. I.—W.....97 Fourth Av.
Bell, H. F.—A.....1951 Doan St.
Bemis, A. H.—A.....225 E. Prospect St.
Benedict, C. B.—A.....35 Star Av.
Bentle, J. R.—D.....327½ Prospect St.
Benton, E. J.—A.....3020 Euclid Av.
Benz, H. S.—A.....10 Diamond Pl.
Berkes, H. A.—A.....52 Elberon St.
Berman, S. L.—A.....835 Woodland Av.
Bernstein, M.—L.....65 Scovill Av.
Bevard, R. R.—D.....98 White Av.
Bialosky, G.—W.....274 Forest St.
Bialosky, J.—W.....778 Scovill Av.
Biddle, F. R.—W.....1264 Cedar Av.
Bill, C. P.—A.....853 Logan Av.
Binkard, H. R.—D.....831 Prospect St.
Birge, R. H.—M.....260 Euclid Av.
Bishop, H. V.—A.....883 Scovill Av.

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Bishop, R. H. Jr.—M...805 The Hannah
Bissell, W. L.—G.....Adelbert Hall
Blackburn, H. W.—A...1951 Doan St.
Blackman, J. C.—A.....Twinsburg
Blahd, E. M.—M.....45 Fourth Av.
Bliss, C. E.—A.....1757 Pearl St.
Bloomberg, J.—A.....809 Forest St.
Boehmer, A. L.—L.....165 Streator Av.
Boggs, J.—W.....1257 Euclid Av.
Bolden, J. J. L.—M.....
259 Commonwealth Av.
Booth, C. L.—A..286 Commonwealth Av.
Borgerhoff, J. L.—W...8020 Euclid Av.
Bourland, B. P.—A.....2662 Euclid Av.
Bourne, H. E.—W.....144 Cornell St.
Boyle, T. A.—A.....201 Adelbert St.
Brack, M. L.—W...257 Lake View Av.
Brainerd, E. M.—W...217 Clinton St.
Brandt, J. H.—A.....6 Wayne St.
Braun, E. C.—L.....95 Adelbert St.
Brereton, H. A.—A.....Adelbert Hall
Brett, W. H.—Ly .....205 Wood St.
Brewster, A. L.—W.....276 Hosmer St.
Briggs, C. E.—M.....118 Lennox Bldg.
Briggs, W. D.—A.....2662 Euclid Av.
Broadhurst, M. R.—A.....
156 Murray Hill Av.
Brody, J. G.—M.....769 Superior St.
Brooks, E. R.—M.....102 Adelbert St.
Brooks, F. M.—W.....6 The Heyse
Brown, A. I.—D.....225 Lawn St.
Brown, C. A.—D.....523 Prospect St.
Brown, E. D.—M..Erie & St Clair Sts.
Brown, H. M.—D.....262 Prospect St.
Browne, R. E.—M.....156 Cedar Av.
Brubaker, F. C.—A..590 W. Madison Av.
Bruce, E. K.—A.....1951 Doan St.
Bruner, W. E. —M.....
514 New England Bldg.
Buchan, H. H.—W..272 Harkness Av.
Buckmaster, J. A.—W...Guilford House
Budde, I. F.—W.....818 Quinby Av.
Buell, W. A.—A.....1256 Curtis Av.
Bukstein, F.—A.....34 Paddock Pl.
Bunts, F. E.—M.....275 Prospect St.
Burgess, H. A.—A...78 Brightwood Av.
Burnite, C.—Ly.....223 Slater Av.
Burroughs, F. N.—A.....Collinwood
Burton, H. P.—A.....42 Clarkwood St.
Bushnell, F. C.—W.....648 Castle Av.
Butts, D. A.—W.....485 Sibley St.
Cadle, T. P.—A.....West Mentor
Cain, C. H.—A.....44 Norwood St.
Caldwell, E. C.—L.....Adelbert Hall
Camp, J. W.—L.....94 Roselle Av.
Campbell, G. O.—W.....748 Republic St.
Campbell, H. G.—L..21 Champan St.,
E. Cleveland, O.
Campbell, R. S.—A....2209 Superior St.
Carabin, M. A.—W.....Guilford House
Carnes, W. B.—A.....201 Adelbert St.
Carpenter, A. G.—L....125 Streater Av.
Carroll, N. R.—A.....194 Melrose St.
Carter, E. P.—M.....260 Euclid Av.
Cartwright, A. A.—A.....Adelbert Hall
Case, C. J.—A.....147 Cornell St.
Casto, F. M.—D....719 Schofield Bldg.
Cavanaugh, F.—W.....131 Fourth Av.
Chamberlin, W. B.—M...275 Prospect St.
Chandler, B. M.—W.....894 Case Av.
Chandler, C. A.—L.....The Hadden
Chapman, H. B.—L...E. Cleveland, O.
Chapman, M. E.—W..103 Marcelline Av.
Chapple, W. E.—L.....Sylvania
Cheetham, A. M.—M 805 E. Madison Av.
Cherney, E. J.—L.....57 Woodland Ct.
Chotek, L. A.—A.....55 Hamlet St.
Clague, L. M.—W.....103 Sterling Av.
Clark, A. J.—D.....175 Dodge St.
Clark, C. H.—D....116 Commodore St.
Clark, D. L.—A.....158 Osborn St.
Clark, F. S.—M.....621 Rose Bldg.
Clark, M. G.—W.....Guilford House
Clemens, C. E.—W...1093 Prospect St.
Cleveland, A. M.—W.....392 Bolton Av.
Clyne, N. T.—L.....309 Franklin Av.
Coates, J. A.—D.....45 Hough Av.
Cobb, F. M.—L.....2509 Euclid Av.
Cobb, P. W.—M.....3425 Euclid Av.
Coblentz, N. M.—W.....The Charles
Coe, C. M.—A.....503 Wade Park Av.
Cogan, J. E.—M.....707 Rose Building
Cohn, M. T.—A.....330 Genesee Av.
Coit, L. E.—W.....Haydn Hall
Cole, E. P.—L.....130 Murray Hill Av.
Collings, R. J.—W.....128 Duane St.
Collins, R. E.—L.....
1934 Woodland Hills Av.
Collins, A. W.—Jan.....106 Cornell St.
Comin, H. L.—A.....1812 Doan St.
Conant, J. L.—A.....1701 Denison Av.
Concannon, J.—I.y.....Guilford House
Condé, E.—W.....33 Wellesley St.

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Condon, Chas.—A.....87 Grand Av.
Conway, E. R.—L.....12 Wade Av.
Cook, M.—W.....Guilford House
Cook, W. H.—A.....724 Republic St.
Cooke, E. D.—W.....44 Hough Av.
Copland, E. B.—W.....The Logan
Corlett, W. T.—M.....533 Euclid Av.
Cornell, A. E.—A.....148 Taylor St.
Corrigan, F. P.—M.....66 Gorman St.
Coss, D. V.—A...127 Murray Hill Av.
Cotter, S. E.—Ly.....42 Archwood Av.
Counts, A. F.—L.....Adelbert Hall
Counts, H. F.—L.....Adelbert Hall
Cox, E. H.—M.....513 E. Prospect St.
Cox, J. D. Jr.—L.....925 Euclid Av.
Cox, M.—W.....Guilford House
Crafts, M. W.—L.....Nantucket St.
Cranz, C.—W.....Haydn Hall
Crapnall, A.—Custodian.....
5 Centennial St.
Crawford, E.—Ly.....855 Fairmount St.
Crile, G. W.—M.....169 Kensington Av.
Critchley, B. M.—W.....74 Giddings Av.
Cross, C. R.—L.....University School.
Crotty, A. B.—L.....36 Alanson St.
Crough, H.—Custodian.....2 Drake St.
Cummer, C. L.—M.....396 Bolton Av.
Curtis, M. M.—A.....43 Adelbert St.
Curtis, N. F.—A.....43 Adelbert St.
Cushing, E. F.—M.....1160 Euclid Av.
Cushing, H. P.—A.....260 Sibley St.
Cutts, C. H.—A.....390 Melvin St.

Daniels, H. L. V.—W.....Haydn Hall
Darby, J. E.—M...Doan St. & Euclid Av.
Davey, W. P.—A.....76 Gaylord St.
Davis, E. F.—M.....161 Chestnut St.
Davis, H. H.—A.....457 Franklin Av.
Davis, L. P.—A.....Adelbert Hall
Davis, M. I.—Ly.....
8 Turnbull Terrace, West Roy St.
Day, M. E. C.—W.....2100 Denison Av.
Day, M. F.—W.....Guilford House
Dawson, A. N.—M.....305 The Hannah
Dawley, W. J.—L.....14 Granger St.
Dean, G. P.—A.....Fairmount
Debout, D. B.—D.....371 Euclid Av.
Deeley, W. S.—D.....44 Collins Pl.
Deering, R. W.—W.....2662 Euclid Av.
Degnon, A. W.—D.....49 Mecca St.
Delahunt, I.—W.....9 Florence Av.
DeLaney, M.—W.....160 Huntington St.
Dellinger, J. H.—A.....818 Hough Av.
Dembowski, S. F.—L.....36 Colley St.
Dennis, F.—D.....11 Cheshire St.
Derby, K. R.—L.....173 Streator Av.
DeVenne, M. L.—A.156 Murray Hill Av.
DeVoe, H. L.—A.....48 Harkness Av.
Dickenson, J.—M.....205 Osborn Bldg.
Dickerman, J.—A.....1957 Doan St.
Difford, C. L.—M.....49 Alum St.
Doerr, A. I.—L.....1 Arey Av.
Donley, F.—A.....161 Aetna St.
Doolittle, G. H.—A.....2839 St. Clair St.
Doren, E. B.—Ly.....855 Fairmount St.
Doren, E. C.—Ly.....855 Fairmount St.
Douthitt, M.—W.....Guilford House
Draper, C. H.—A.....578 Cedar Av.
Dunbar, R.—A.....8 Hough Pl.
Duncan, H. T.—L.....78 Fifth St.
Duty, A.—W.....2577 Euclid Av.

Eastman, E. L.—Ly.....
161 Avondale Av., Glenville, O.
Eaton, H. L.—A.....1580 Cedar Av.
Ebert, C. B.—W.....Guilford House
Edgerton, A. R.—L.....Hiram House
Edwards, G. H.—W..267 E. Prospect St.
Ehrgott, A.—G.....173 Streator Av.
Eisenbrey, A. B.—M.....41 The Cary
Elliot, R.—W.....17 Grace Av.
Ellis, J. B.—D.....33 Queen St.
Ellis, N.—Custodian.....13 Brandon St.
Elson, I. A.—M....481 Wade Park Ave.
Elwell, W. T.—L.....1917 Detroit St.
Emerson, O. F.—A
98 Wadena St., E. Cleveland.
Enegren, C. L.—W.....Haydn Hall
English, L. M.—D.....593 Scovill Av.
Epps, S. E. V.—W....915 S. Logan Av.
Epstein, I. S.—L.....201 Wade Av.
Erwin, R. W.—A.....1951 Doan St.
Esch, J. G.—A.....2188 Doan St.
Evans, A. F.—Ly.....59 Knox St.
Evans, H. O.—A.....2214 Broadway

Fackler, J. D.—L.....66 Victoria Av.
Fagan, J. B.—L.....1 Arey Av.
Fahrenbach, W. H.—L.264 Highland Av.
Farr, F.—W.....Guilford House
Faulhaber, C. E.—L.....Lake Av.
Fauver, C. K.—L.....727 Case Av.
Feil, F. N.—A.....513 Giddings Av.
Fiebeger, R. A.—W.....Guilford House
Filson, W. C.—A.....45 Fairchild St.

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Findlay, Wm.—Custodian 151 Cornell St.
Fischer, E. T.—A.....140 Sixth Av.
Fliedner, F.—W.....160 Wellington Av.
Fliedner, G. B.—A...160 Wellington Av.
Fliedner, P. M.—W...160 Wellington Av.
Flory, W. L.—L..131 Murray Hill Av.
Flower, A. G.—M..Erie & St. Clair St.
Flower, Mrs. A. G.—M
Erie & St. Clair Sts.
Foglesong, H.—Ly.....864 Stark Av.
Forbes, G. N.—A.....101 Halsey St.
Ford, C. J.—L.....117 Adelbert St.
Ford, D. B.—D.....161 Lincoln Av.
Ford, H.—L.....2464 Euclid Av.
Ford, J. A.—L.....126 Ingleside Av.
Fosdick, F. M.—D....143 Chambers St.
Foster, H. E.—W.....478 Denison Av.
Fought, H. B.—D....758 Superior St.
Fowler, H. N.—W.....33 Cornell St.
Franke, C. T.—D.....3250 Euclid Av.
Frase, C V.—A.....2217 Euclid Av.
Frasher, D. R.—M.....135 Chestnut St.
Frederick, M.—W.....Haydn Hall
Freedlander, E.—W....158 Putnam St.
Friebolin, G. S.—A.....50 Higgins St.
Friedman, M.—W.....96 Osborn St.
Friedman, S.—W.....Haydn Hall
Friend, A. C.—W.....Guilford House
Fulk, G. L.—A.....174 Fairchild St.
Fuller, M. W.—W.1205 E. Madison Av.
Fursdon, C. T.—A.....605 Scovill Av.
Furth, C.—W.....The Whitehall

Gaede, O. L.—A.....154 Osborn St.
Gaines, H. B.—W.....178 Bell Av.
Galpin, S. L.—A.....1951 Doan St.
Galvin, M. B.—D....868 Woodland Av.
Gamble, J. K.—M.....161 Sibley St.
Gardner, G. A. H.—L....14 Hough Pl.
Garman, C. C.—A.....Eldred Hall
Garman, C. P.—A.....Eldred Hall
Garnett, A. C.—A.....Wickliffe
Garrett, E. W.—A.....775 Giddings Av.
Garrett, N. L.—W.....775 Giddings Av.
Garver, B. E.—M.....41 The Cary
Gasser, J. F.—A.....162 Osborn St.
Gehlke, C. E.—A.....40 Abram St.
George, E. A.—A.....101 Burton St.
Gerow, W. B.—D.....121 Chestnut St.
Gerstenberger, L. L.—L 190 Oakdale St.
Geuder, C. C.—W.....222 Genesee Av.
Gibbons, C. E.—A.....Euclid Heights
Gilbreath, B. R.—D.....Collinwood
Gilchrist, H.—W.....879 Amesbury Av.
Gilgen, A. L.—W.....Guilford House
Gill, W. E.—M.....207 Osborn Bldg.
Gillie, W. H.—A.....117 Adelbert St.
Gillin, E. L.—W.....91 Quincy St.
Gillin, G. M.—W.....91 Quincy St.
Godfrey, W. R.—A.....59 Quimby Av.
Golden, T. D.—A.....143 Cornell St.
Goldberger, E. I. —A.....
257 Commonwealth Av.
Goldsmith, A.—W.....27 Fifth Av.
Goldsmith, S. R.—A....250 Kennard St.
Goodman, E. D.—W.....Guilford House
Gotschall, G. C.—D....11 Cheshire St.
Gramlich, F.—A.....2103 Doan St.
Green, E. G.—W.....Haydn Hall
Greene, T. E. Jr.—L.....305 Bell Av.
Greenwood, M.—D.....198 Bridge St.
Griswold, R. H.—A.....Euclid Heights
Gruener, H.—A.....43 Knox St.
Guinther, P. E.—A.....95 Mayfield St.
Gunn, J. J.—A.....153 Dibble Av.
Guthman, S.—L.....30 Nantucket St.

Hackett, S. A.—L....280½ Streator Av.
Hadden, A.—L.....1670 Lexington Av.
Hagan, M. E.—W.....386 Willson Av.
Haines, A. W.—D.....287 Prospect St.
Hall, F. S.—A.....95 Mayfield St.
Hall, H. E.—A.....1453 Cedar Av.
Hamann, C. A.—M.....661 Prospect St.
Hamilton, G. K.—W.....Haydn Hall
Handerson, J. A.—Ly..444 Dunham Av.
Handmacher, E.—W.....2260 Broadway
Handyside, D. P.—A....25 William St.
Handyside, J. Jr.—A....25 William St.
Hanson, E. M.—W....2220 Willson Av.
Hanson, L. A.—W....2220 Willson Av.
Haring, C. E.—A..156 Murray Hill Av.
Haring, H. A.—Treasurer..78 Cornell St.
Harris, C.—A.....77 Cutler St.
Harris, J. M.—A.....77 Cutler St.
Hart, A. M.—W.....52 Alameda Av.
Hartshorn, G. E.—L.....
131 Murray Hill Av.
*Haskins, H. D.—M.....*41 Bolton Pl.
Hasse, P. F.—A.....1667 Pearl St.
Hasselman, W. H.—A.....
127 Murray Hill Av.
Hassler, L. M.—W....39 Williams St.
Hastings, H. W.—A....35 Nantucket St.
Haupt, L. L.—Ly .....
59 Chapman Av., E. Cleveland, O.

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Hauser, E. S.—W.....Haydn Hall
Haydn, H. C.—W....173 Bellflower Av.
Haydn, H. M.—W..116 Ridgewood Av.
Haymaker, E. O.—W....Guilford House
Hedley, G. S.—A.....42 Afton Pl.
Heffner, L. M.—L.....208 Adelbert St.
Heidenreich, E.—W.....18 Selden Av.
Heinemann, D.—W.....Guilford House
Heller, W.—D.....The Gladstone
Henning, H. S.—W.....Guilford House
Henry, F. A.—D....154 Kensington St.
Herr, N.—W.....1276 Scranton Av.
Herrick, E. M.—D...52 Auburndale Av.
Herrick, F. C.—M....112 Lennox Bldg.
Herrick, F. H.—A.....43 Cutler St.
Herrick, F. R.—L.....449 Russell Av.
Herrick, H. W.—A.....3006 Euclid Av.
Hetzel, H. M.—W.....Haydn Hall
Heydenburk, I.—W .....Haydn Hall
Hill, A. H.—L.....1 Arey Av.
Hillis, D. P.—M.....Hiram House
Hipp, E. M.—W.....1012 Franklin Av.
Hird, E. F.—A.....18 Nantucket St.
Hobson, F. A.—W.....105 Oakdale St.
Hobson, W. S.—M....105 Oakdale St.
Hodgeman, K. E.—A....1951 Doan St.
Hoffman, R. W. E.—A.....
430 E. Madison Av.
Hofman, J. A.—M.....2039 Doan St.
Hogg, J. H.—L.....2638 St. Clair St.
Holderman, J. F.—A.....
156 Murray Hill Av.
Hole, C. M.—M.....300 Cedar Av.
Honeywell, S. M.—W...315 Genesee Av.
Hoover, C. F.—M.....702 Rose Bldg.
Hopkins, E. H.—L.....84 Miles Av.
Hopkins, M. G.—W.....47 Jones Av.
Hopple, E. J.—L.....117 Adelbert St.
Horn, C. M.—W.....224 Slater Av.
Horn, C. M.—A.....45 Fairchild St.
Horsburgh, M. J.—W....151 Hoadley St.
Horst, A. J. W.—A.....6 Wain Alley
Hosford, G. C.—L..280½ Streator Av.
Hotchkiss, S. C.—M St. Clair & Erie Sts.
Howard, W. T. Jr.—M 88 Dorchester Av.
Howells, J. A.—W.....Guilford House
Howk, L. E.—D....116 Commodore St.
Howland, H. E.—W....Guilford House.
Howland, P.—L.....Huron Terrace
Hubbard, T.—W.....Bedford, O.
Hubbell, E.—Ly.....Wickliffe, O.
Hubbell, F. M.—A.....157 Cornell St.
Hulme, W. H.—W.....48 Mayfield St.
Humiston, W. H.—M....536 Rose Bldg.
Hundertmark, R. E.—A..390 Rhodes Av.
Hunter, E. J.—W.....47 Hilburn Av.
Hunter, H. K.—A.....28 Grasmere St.
Hurst, E. M.—W.....924 Euclid Av.
Hutchins, F. C.—M.....416 Rose Bldg.
Hutchins, L. H.—D.....33 Queen St.
Hyatt, H. E.—W.....69 Bolton Av.

Ingalls, N. W.—M.....7 Dodge Ct.
Ingersoll, J. M.—M.....50 Euclid Av.
Ingham, R. A.—Ly....153 Rhodes Av.

Jackman, F. E.—W.....40 Bell Av.
Jackson, F. S.—A.....35 Nantucket St.
Jackson, V. M.—W.1057 E. Madison Av.
Jackson, W. S.—L..130 Murray Hill Av.
James, C. B.—A.....896 Hough Av.
Janousek, E. A.—W....1772 Broadway
Jarecki, R. W.—L.....766 Fairmount St.
Jenkins, A. A.—M.....648 Willson Av.
Jerrett, W. H.—D.....10 Lockwood St.
Jewitt, R. A.—M.....466 Dunham Av.
Jeschke, M. L.—W....33 Livingston St.
Johnson, H. H.—L.....Overlook Rd.
Jones, E. M.—W.....
1143 Woodland Hills Av.
Jones, E. P.—D.....58 Eastman St.
Jones, O. I.—A.....292 Prospect St.
Jones, M. D.—W.....Independence St.
Joslyn, K. E.—W.....Guilford House

Kabatchnick, S.—L....52 Brookdale St.
Kaechele, A.—A.....78 Aaron St.
Kaiser, J. B.—A.....87 Brookfield St.
Keeler, J. A.—W.....Guilford House
Keim, C. R.—A.....516 Bolton Av.
Kelly, E. U.—W.....25 Vienna St.
Kelly, W. W.—A.....25 Vienna St.
Kendall, M. B.—W....1306 Cedar Av.
Kennan, R. R.—W.....Guilford House
Kennerdell, T. R.—A..88 Merchants Av.
Kent, D. M.—D.....120 Studley St.
Kenyon, H. C.—D.....677 Arcade
Kiefer, L. R.—W.....Guilford House
Kilbourn, P. H.—M....305 The Hannah
Kimberly, B. R.—A...2075 Denison Av.
King, A. A.—A.....201 Adelbert St.
King, G. A.—W.....Guilford House
King, E. M.—W.....Guilford House
Kingsbury, F. A.—A..82 Auburndale Av.
Kinsey, A.—W.....40½ Breck Av.

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Kirk, H. W.—W.....37 Brookfield St.
Kirkbride, C. T.—L..131 Murray Hill Av.
Kline, J. C—D.....1379 Lexington Av.
Knapp, A. C.—D.....287 Prospect St.
Knight, P. S.—L.....16 Birchdale St.
Koch, C. H.—A.....57 Conover St.
Kollar, J. B.—A.....252 Sibley St.
Koller, A. H.—A.....122 Laurel St.
Kovanda, E. J.—A.....165 Quincy St.
Kraus, A. S.—L.....3 Becker St.
Krauss, C. L.—W....1997 Superior St.
Kreidel, E. Z.—D.....469 Euclid Av.
Krejii. L. A.—D.....290 Forest St.
Kummer, H. O.—W....Guilford House

LaBarge, E. J.—D.....179 Streator Av.
Ladd, L. W.—M....103 Edgewood Pl.
Lamport, G.—W.....3 York St.
Large, S. H.—M.....536 Rose Bldg.
Laubscher, G. G.—A.....134 Duane St.
Laughren, W. A.—L.1571 Woodland Av.
Laurer, C.—D.....The Gladstone
Lavell, R. A.—Ly.....54 Hough Pl.
Lawrence, E. J.—M.....
413 The Ellington
Lawrence, J.—L.....709 Genesee Av.
Lea, F. W.—A.....12 Adelbert Hall
Lee, A. M.—A.....157 Cornell St.
Lee, R. L.—A.....153 Cornell St.
Leet, K. F.—L.....20 Lake View Av.
Leggett, B. C.—G.....2662 Euclid Av.
Lembeck, F. R.—W....46 Streator Av.
Lemperly, L.—W.....574 Franklin Av.
Lemmerman, K.—A.....25 Cook St.
Lenhart, H. H.—A.....2188 Doan St.
Libby, G. L.—W.....220 Princeton St.
Lincoln, W. R.—M..210 Lennox Bldg.
Lind, S. C.—A.....727 Genesee St.
Linn, I.—G.....151 Courtland St.
Linn, L. R.—W.....112 Dibble Av.
Lippencott, E. T.—L.....1812 Doan St.
Lipschitz, B.—D.....190 Greenwood St.
Lofland, E. A.—W.....Haydn Hall
Logue, J. C.—A.....1 Plymouth St.
Lombard, B. A.—W.....462 Giddings
Longsworth, M. E.—W..Guilford House
Longsworth, W. I.—A..201 Adelbert St.
Lord, E. E.—W.....Guilford House
Lothrop, V. I.—W.....684 Jennings Av.
Lower, W. E.—M.....275 Prospect St.
Lowman, J. H.—M.....441 Prospect St.
Lucas, W. P.—M.....49 Idlewood Av.
Luehrs, F. M.—W....580 Willson Av.
Luehrs, N. M.—W.....580 Willson Av.
Lyman, F. H.—W....190 Greenwood St.
Lyman, L.—D.....190 Greenwood St.
Lyman, M. E.—W.....Guilford House
Lynch, F. H.—Ly.....40 Knox St.
Lyttle, C. H.—A.....52Arlington St.

McCall, J. J.—L.....168 Streator Av.
McDowell, J. R.—M.....41 The Cary
McCorkle, J. R.—A.....Adelbert Hall
McDole, H. K.—W.....61 Dartmouth St.
McFall, J. B.—W.....Guilford House
McFate, J. C.—M.....175 Chestnut St.
McGuire, G. H.—W....37 Belmore Rd.
McHenry, J. H.—M..207 Osborn Bldg.
McKean, R. B.—W.....757 Logan Av.
McKelvy, E.—A.....151 Cornell St.
McMullin, B. B.—A....151 Cornell St.
McMyler, H. T.—A.....Warrensville
McWatters, G. R.—A....125 Adelbert St.
MacGregor, H. E.—L....1812 Doan St.
Macintosh, G. S.—A....245 Holmden St.
MacIntyre, A. L.—W..136 Sawtell Av.
Macleod, J. J. R.—M..288 Van Ness Av.
Magner, C. T.—D.....57 Burt St.
Malin, W. C.—A.....Glenville
Malone, C B.—A....702 E. Prospect St.
Maloney, C. H.—D..101 Huntington St.
Maloney, W. A.—D..101 Huntington St.
Maltby, B. T.—D.....508 Prospect St.
Mann, A. S.,—L.....3 Bennington St.
Mann, M.—Ly .....
Carnegie Library, Pittsburg
Mann, R. L.—W.....40 Hollister St.
Marble, E. A.—W.....Haydn Hall
March, H. W.—A.....153 Cornell St.
Markus, D.—A.....44 Linden St.
Marsh, A. J.—A.....24 Adelbert Hall
Marshall, J. H.—A.....151 Cornell St.
Martin, G. J.—A.....435 Jennings Av.
Martin, W. C.—A.....84 Marvin Av.
Marvin, W. T.—A.....2662 Euclid Av.
Maska, L. A.—D.....2 Arch St.
Mason, G.—W.....38 Bellflower Av.
Mattill, H. A.—A.....430 Rosedale Av.
Mattingly, C. K.—D....162 Chestnut St.
Maxwell, W. H.—D....3586 Euclid Av.
Mead, D. L.—W.....1 Arey Av.
Mehling, L. M.—W....487 Jennings Av.
Merriam, W. H.—M....275 Prospect St.
Merrill, G. E.—W.....Haydn Hall
Merrills, B. N.—A.....Adelbert Hall

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Metzenbaum, J.—L.....1117 Case Av.
Metzger, S. J.—A.....24 Adelbert Hall
Meub, W. H.—A.....187 Brandon St.
Meyer, E. S.—A.....94 Glen Park Pl.
Meyer, J. H.—A.....844 Logan Av.
Michel, E. E.—W....1869 Superior St.
Miller, C. R.—A.....85 Billings Av.
Miller, C. W.—A.....1951 Doan St.
Miller, W. R.—L.....35 Billings Av.
Miller, W. T.—A....999 E. Madison Av.
Miller, Z. K.—Ly.....Guilford House
Millikin, B. L.—M.....260 Euclid Av.
Mills, J.—A.....18 Adelbert Hall
Minnig, A.—A.....628 Superior St.
Miser, W. G.—A.....101 Halsey St.
Mitchell, G. C.—D.....The Gladstone
Mitchnick, M.—A.....9 Adelbert Hall
Moffett, H. E.—D....1018 Scranton Av.
Moffet, R. R.—L.....715 N. Logan Av.
Molony, M. C.—W....156 Jennings Av.
Moore, L. G.—M.....41 The Cary
Moorehouse, G. W.—M..842 Logan Av.
Morgan, A. L.—W....2232 Willson Av.
Morgan, J. R.—L..130 Murray Hill Av.
Morley, E. W.—A.....
The Everlyne, 63 Ingleside Av.
Morris, C. A.—L..189 W. Madison Av.
Morris, M. A.—W..189 W. Madison Av.
Morris, M. E.—W....758 Superior St.
Motherwell, R. B.—A..2188 Doan St.
Mount, L. D.—D.....304 Sibley St.
Moyer, C. E.—L.....284 Linwood Av.
Moysey, M. K.—W.....Guilford House
Mueller, A.—W.....862 Cedar Av.
Mueller, G. J. F.—A.....1049 Doan St.
Mueller, G. M.—W.....730 Willson Av.
Murphy, R. C.—L.....90 Liberty St.
Myers, C. L.—W....116 Ridgewood Av.
Myers, R. V.—A.....1617 Cedar Av.
Mygatt, C. S.—D.....304 Sibley St.

Nauman, K. B.—A....24 Crawford Pl.
Nearpass, H. L.—A.....Hiram House
Neer, E. D. W.—M.....
Erie & St. Clair Sts.
Neff, M. D.—D.....45 Archwood Av.
Neubrand, N. D.—W....Bridge St. Berea
Newhard, M.—W.....Haydn Hall
Newman, M. R.—Ly...843 Fairmount St.
Newton, N. B.—W.....408 Prospect St.
Niebes, L. T.—W....144 Florence St.
Niederhauser, F. D.—A.....
820 Fairmount St.
Nimmons, W. T.—L 127 Murray Hill Av.
Nisbet, V. A.—W.....439 Russell Av.
Nord, W. G.—A.....60 Bellflower Av.
Nostran, E. L. V.—W..204 Harkness Av.
Nostran, R. V.—W....204 Harkness Av.
Norton, J. T.—A..516 E. Prospect St.
Norton, S. C.—Ly....901 Crawford Rd.

Oakley, L. M.—W.....800 Hough Av.
O'Connor, B. E.—L.....Wilbur Ct.
O'Connor, J. H. A.—L.....Wilbur Ct.
Oldenberg, F. C.—A...667 Scranton Av.
Olin, H. E.—A.....174 Fairchild St.
Opperman, A. E.—A..14 Westchester Av.
Orr, C.—Ly.....1662 Lamont St.
Ortli, C.—W.....1083 Pearl St.
Osborn, W. O.—M.....275 Prospect St.
Osborne, C. N.—A.....1951 Doan St.
Osborne, R. M.—W.....Guilford House
Osmond, J. D.—A.....1957 Doan St.

Palmie, A. H.—W.....48 Mayfield St.
Parisen, G. B.—M.....161 Chestnut St.
Parker, J. L.—A.....201 Adelbert St.
Parks, B. C.—W.....Guilford House
Parks, P. K.—W.....31 Nantucket St.
Peabody, M. A.—W.....64 Wabash Av.
Peiser, S.—G. Woodland and Willson Av.
Pelton, F. H.—L.....Adelbert Hall
Pennewell, C. E.—L....1254 Willson Av.
Pennington, G. L.—W....79 Hough Av.
Perkins, E. M.—W.....121 Adelbert St.
Perkins, R. G.—M.....1527 Euclid Ave.
Peterka, E.—M.....51 Goethe St.
Peterson, E. A.—M.....2525 Broadway
Petrash, A. J.—A.....1191 Broadway
Petty, J. R.—A.....East Cleveland
Pfeiffer, F. E.—L.....59 Mayfield St.
Phelan, L. H.—A.....698 Bridge St.
Pheneger, C. R.—D....87 Hillsdale Av.
Phillips, E. D.—D.....287 Prospect St.
Phillips, G. A.—L...3 Scranton Terrace
Pickering, E. D. —A.....The Bellegrade
Pierce, R. H. H.—A.....1812 Doan St.
Pierson, A. M.—Ly....150 Harkness Av.
Pierson, P. I.—A.....203 Adelbert St.
Pilcher, J. D.—M....54 Auburndale Av.
Platner, S. B.—A.....24 Cornell St.
Pomerene, J.—A.....47 Allandale St.
Pontius, B. B.—D.....12 Smiley Av.
Pope, C.—M.....260 Euclid Av.
Pope, P. M.—A....127 Murray Hill Av.

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Potter, H. M.—A....116 Ridgewood St.
Potwin, L. S.—A.....389 Rosedale Av.
Powell, H. H.—M.....467 Prospect St.
Powell, H. J.—M.....297 Taylor St.
Povey, W. G.—M.....698 Hough Av.
Power, E. L.—Ly.....50 Landon St.
Prendergast, D. A.—M....92 Burton St.
Priday, C. H.—D.....3533 Euclid Av.
Prowitt, H. P.—M.....102 Adelbert St.

Quass, R. L.—A.....1951 Doan St.
Quay, J.—W.....4050 Euclid Av.
Quayle, H. A.—L.....290 Sibley St.

Radcliffe, E. E.—A.....135 Cedar Av.
Radcliffe, E. J.—W.....51 Penn St.
Rayner, B. C.—W..59 Edmunds Terrace
Reece, E. J.—Ly.....
59 Beersford Pl., E. Cleveland
Reely, C. L.—A....127 Murray Hill Av.
Reeve, M. E.—W.....Guilford House
Reich, P.—Ly.....186 Woodbridge Av.
Reid, M. L.—W.....80 Gladstone St.
Remington, H.—L.....425 Rosedale Av.
Rice, G. C.—L.....2192 Doan St.
Rice, S. A. V.—D.....262 Prospect St.
Richardson, M.—W.....12 Oakland St.
Riemenschneider, C. A.—L.....
161 Beechwood Av.
Rieske, F.—D.....306 Fairfield Av.
Risch, J. F.—D.....831 Prospect St.
Risdon, C.—Ly.....108 Edgewood pl.
Riser, M.—Custodian.....48 Mentor Av.
Ritterspach, F. J.—M..413 The Ellington
Robb, H.—M.....702 Rose Bldg.
Roberts, B. B.—A.....234 Linwood Av.
Roberts, E. L.—W.....Guilford House
Roberts, N. M.—W.....80 Sayles St.
Robertson, W. S.—W..23 Adelbert Hall
Robbins, O. C.—W.....
Overlook Rd., Euclid Heights
Robinson, L. L.—L....805 Fairmount St.
Robison, W. L.—A.....5 Hayward St.
Rogers, C. C.—D.....831 Prospect St.
Rogers, M. J.—W.....59 Beersford Pl.
Root, A. S.—Ly.....Oberlin, O.
Root, F. R.—Ly.....855 Fairmount St.
Rosenwasser, H.—G.....
Woodland and Willson Av.
Ross, G. A. R.—D.....175 Dodge St.
Ruetenik, B. P.—A...1246 Scranton Av.
Ruffin, L. M.—W.....4 Hudson St.
Rusbatch, S. M.—W.....38 Bolton Av.

Saltzgaber, G. V. H.—L...1946 Doan St.
Sammler, W.—W.....Haydn Hall
Sandoe, D. N.—M..Erie and St. Clair St.
Sanford, H. L.—M....207 Osborn Bldg.
Sawyer, J. P.—M.....536 Rose Bldg.
Sayle, F. M.—M.....1499 Cedar Av.
Schaechterle, J. F.—A..16 Adelbert Hall
Schart, W. L.—A..1174 E. Madison Av.
Scheier, E.—W .....
22 Cadwell Av., Mayfield Heights
Scheuer, J.—A.....16 Adelbert Hall
Schleicher, E. P.—W....101 Bolton Av.
Schmidt, H. L.—W.....110 Noble Rd.
Schneider, F. R.—W.....Haydn Hall
Schuele, L. C.—W.....15 Jay St.
Schulte, W. A.—A.....61 Stanwood Av.
Schultz, M. E.—A.....2071 Doan St.
Schultz, O.—M..Erie and St. Clair Sts.
Schwab, I. A.—W.....1076 Case Av.
Schwartz, H.—W.....40 Collamer Av.
Scranton, H. G.—M...20 Lake View Av.
Seagrave, W. H.—A....153 Cornell St.
Seagraves, P. V.—A.....22 Knox St.
Season, E. B.—M.....2288 Euclid Av.
Seliskar, J.—M.....20 Norwood St.
Selman, D.—A.....1173 Case Av.
Selminski, H.—W.....22 The Hazard
Semple, M. V.—L..156 Murray Hill Av.
Sensel, E. H.—L.....124 Putnam St.
Senseny, H. M.—A.....148 Lincoln Av.
Severance, A. D.—W....1981 Euclid Av.
Sieber, J. B.—A.....112 Cornell St.
Sill, R. H.—M.....Charity Hospital
Silver, T. H.—A.....151 Cornell St.
Singer, W. E.—A..156 Murray Hill Av.
Sipe, D. R.—A.....127 Murray Hill Av.
Shackleton, W. E.—M...310 The Osborn
Shannon, H. C.—L.....2298 Euclid Av.
Shaw, A. J.—A.....12 Adelbert Hall
Shaw, O. E.—W.....27 Brookfield St.
Shepard, B. H.—Ly.....
The Pelton, 187 Jennings Av.
Shepherd, H. D.—W.....Guilford House
Sherman, A.—W.....Guilford House
Sherwood, Z. O.—A....24 Adelbert Hall
Shriber, B. A.—D.....508 Prospect St.
Shuler, W., Jr.—A..127 Murray Hill Av.
Shulman, B. O.—L....14 Stranwood St.
Skeel, E. L.—L.....95 Adelbert St.
Skinner, H. H.—M.....
286 Commonwealth Av.
Smisek, V. M.—W.....58 Kenwood St.
Smith, C. J.—A.....35 Adelbert St.

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Smith, G. H.—D.....160 Kenilworth St.
Smith, G. W.—D.....178 Herald St.
Smith, H.—W.....87 Grasmere St.
Smith, H. D.—D.....117 Adelbert St.
Smith, H. F.—D.....11 Cheshire St.
Smith, J. W.—L.....3038 Euclid Av.
Smith, M. C.—Ly....99 Mt. Vernon St.
Smith, M. M.—M.....1621 Euclid Av.
Smith, M. V.—W.....888 Hough Av.
Smith, R. G.—G.....Euclid, O.
Snow, R. R.—L.....55 Belmore Rd.
Sober, W.—W.....Guilford House
Solberg, O. E.—W.....Haydn Hall
Sollmann, T.—M.....103 Handy St.
Solomonson, S. H.—M....1023 Case Av.
Souers, L. E.—L....Cedar and Watkins
Spence, H. L.—M....1160 Madison Av.
Spieth, L. C.—L.....17 Hough Pl.
Spitzer, G. G.—A.....80 Wierfield St.
Stearns, A. A.—L.....87 Oakdale St.
Stearns, H. J.—Ly.....Guilford House
Stein, L. I.—W.....1055 Case Av.
Stein, R.—W.....1055 Case Av.
Steinbrenner, W. H.—L..92 Kinsman St.
Stevens, G. E.—W.....5 Lake View Av.
Stevens, H. F.—W....5 Lake View Av.
Stewart, C. C.—M.Erie and St. Clair Sts.
Stewart, G. H.—A.....93 Decker Av.
Stewart, J. R.—M.....821 Logan Av.
Stickle, A. R.—A.....151 Cornell St.
Stickle, R. J.—A.....151 Cornell St.
Stickney, I. M.—A.....105 Walton Av.
Stilwell, W. M.—W....37 Stanwood Rd.
Stone, F. A.—L....131 Murray Hill Av.
Storey, A. S.—M.....57 Malcom St.
Stowell, F. Z.—W.....67 Cutler St.
Stuart, C. C.—M.....105 The Lennox
Stumpf, C. L.—W.....719 Denison Av.
Strachan, W. M.—A....2423 Broadway
Streich, C. A.—G.....37 Collins Pl.
Strickland, C. J.—W.....Guilford House
Strickler, M. F.—W.....Guilford House
Strong, C. A.—A.....Adelbert Hall
Suffinsky, C. J.—L.....35 Sanford St.
Suffinksy, J.—L.....35 Sanford St.
Suits, J. C.—W.....50 Bertram St.
Suliot, M. E.—W.....Haydn Hall
Sunkle, R. H.—M.....
Pearl St. and Clark Av.
Sutphen, J. W.—L.....757 Prospect St.
Sutton, G. C.—A.....491 Central Av.
Sutton, S. S.—L.....491 Central Av.
Swearingen, N. B.—W.....Haydn Hall
Switzer, L. E.—W.....35 Lohengrin St.

Talbott, E. T.—D.....
The Hawthorne, Dodge St.
Taylor, E. B.—W.....Guilford House
Taylor, J. T.—M.....2153 Superior St.
Taylor, W. R.—A.....78 Oakdale St.
Talcott, G. H.—W.....
Rosedale Av. and Crawford Rd.
Talcott, W. E.—A.....
Rosedale Av. and Crawford Rd.
Temple, A. R.—L.....173 Streator Av.
Terrell, L. A.—W.....224 Clinton St.
Terrell, T. L.—A.....224 Clinton St.
Thacher, M. A.—W.....Haydn Hall
Thomas, E. H.—W.....840 Hough Av.
Thomas, G. F.—M.....The Deanna
Thomas, G. L.—W.....85 Warner Rd.
Thomas, H. A.—W.....489 Sibley St.
Thomas, H. H.—A.....489 Sibley St.
Thomas, J. J.—M.....156 Crawford Rd.
Thomas, O. T.—M.....85 Edgewood Pl.
Thomas, R. L.—A.....15 Vienna St.
Thompson, J. P.—L.....142 Cornell St.
Thompson, L. R.—A....21 Adelbert Hall
Thwing, C. F.—President.....
55 Bellflower Av.
Tierney, J. S.—M.....532 Rose Bldg.
Torrey, B. L.—W.....
4132 Euclid Av., E. Cleveland
Tower, O. F.—A.....2662 Euclid Av.
Townsend, E. E.—Ly..855 Fairmount St.
Towslee, L. G.—W....406 Osborn Bldg.
Tracy, F. E.—W.....Euclid Av.
Trask, M. E.—W....142 Beechwood St.
Triffit, E. L.—L.....1812 Doan St.
Trowbridge, F. L.—L.....84 Miles Av.
Tuckerman, L. M.—W...Guilford House
Tweedie, A. M.—M.....161 Chestnut St.
Tyler, C. W.—L.....25 Grace Av.
Tyler, E. J.—A.....231 Harkness Av.

Upjohn, Elisabeth—M...Kingmore Bldg.
Upson, H. S.—M..514 New England Bldg.
Urquhart, L. C.—A....2228 Willson Av.

Valkenburg, H. V.—D...11 Cheshire St.
Vance, J. G.—L.....1 Arey Av.
Van Doorn, J. W.—D.....455 Arcade
Vaughn, J. L.—L....108 Commodore St.
Vickery, L. H.—W....304 Van Ness Av.
Vincent, F. W.—M.....Hiram House
Vitz, J. F.—A.....45 Marvin Av.

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Vitz, C. P. P.—Ly.....45 Marvin Av.
Vliet, C. V.—W.....373 Harkness Av.
Von den Steinen, E.—M.47 Arlington St.

Wachner, S. C.—A.....89 Woodland Ct.
Waddle, G. A.—L..181 Murray Hill Av.
Wagner, H. G.—M.....702 Rose Bldg.
Wait, M. C.—W.....17 Republic Pl.
Waite, F. C.—M.....77 Hillburn Av.
Wales, C. I.—Ly.....40 Knox St.
Wallace, A. E.—W.....Guilford House
Wallace, C. M.—A.....Willoughby
Wallace, S. J.—L.....Northfield
Walworth, R. E.—A....117 Adelbert St.
Ward, B. B.—M.....3700 Euclid Av.
Ward, E. G.—W.....Guilford House
Ward, W. P.—A.....235 Ursula St.
Wark, J. F.—D.....362 Cedar Av.
Warner, A. R.—M.....739 Hough Av.
Waters, R. M.—A.....174 Fairchild St.
Watkins, Mabel—W...366 Amesbury Av.
Watkins, Mary—W....366 Amesbury Av.
Watson, Z. M.—W.....Guilford House
Watterson, W. J.—A..152 Hawthorne St.
Way, H. L.—W.....1082 Central Av.
Weber, H. G.—D.....29 Cheshire St.
Weber, O. A.—M.....41 The Cary
Webster, C. E.—D...217 Huntington St.
Wedow, F. M.—W.....93 Tilden Av.
Weedman, D. V.—D....29 Cheshire St.
Weeks, R. O.—W.....48 Mayfield St.
Wehr, C. J.—M.....2230 Euclid Av.
Weir, W. H.—M.....260 Euclid Av.
Wells, B.—W.....Haydn Hall
Wendelken, C. W.—M...23 The Charles
Whipple, R. H.—A.....771 Denison Av.
White, A. B.—A.....19 La Grange St.
White, E.—W.....Euclid, O.
White, H. C.—L.....344 Harkness Av.
White, H. L.—W.....3 Knowlton Av.
Whitlock, P. W.—A.....69 Fowler St.
Whitman, F. P.—A.....79 Adelbert St.
Whittern, H. B.—W..59 Woodbridge Av.
Whittlesey, J. M.—Ly....27 Oakdale St.
Whitworth, E. C.—W....61 Gorman Av.
Wilbur, R. A.—L.....820 Fairmount St.
Wilcox, A. G.—M.....6 Wycomb Pl.
Wilcox, O. N.—L.....59 Olive St.
Williams, C.—W.....99 Glen Park Pl.
Williams, C. D.—M.....717 Rose Bldg.
Williams, E. C.—A....1668 Lamont St.
Williams, H. K.—A.....56 Mayfield St.
Williams, J. F.—L.....140 Cornell St.
Williams, L. B.—W....127 Streator Av.
Williams, R. L.—A.....26 Wilbur St.
Williamson, C. C.—A...10 Adelbert Hall
Wilson, H. R. C.—D....Hotel Tavistock
Wilson, M.—Ly.....Guilford House
Wilson, W. J.—A.....59 Knox St.
Winger, M. L.—D.....798 Republic St.
Winter, J. C.—A.....1257 Euclid Av.
Wise, E. R.—A.....230 Clark Av.
Witter, C. O.—M.The Latimer, Blaine St.
Wolcott, J. V.—L.....72 Grasmere St.
Wolf, B.—W.....316 Kennard St.
Wolf, E. E.—A.....42 Fourth Av.
Wonders, D. V.—A..482 Wade Park Av.
Woodard, G. E.—Ly..Ann Arbor, Mich.
Woods, F. M.—A.....49 Shipherd St.
Woodward, F.—W.....95 Mayfield Rd.
Wormer, V. W. V.—W.....27 Kirk St.
Wright, D. A.—D.....304 Cedar Av.
Wright, H. E. G.—D....508 Prospect St.
Wright, W. W.—D.....
232 Cook Av., Lakewood, O.
Wyckoff, C. W.—M....305 The Hannah

Yaggi, H. K.—M.....20 Lake View Av.
Yaggi, L. E.—L.....20 Lake View Av.
Yoder, H. O.—L.....45 Fairchild St.
Young, D. J.—L...180 Murray Hill Av.
Young, J.—W.....22 Melrose Av.
Young, L. H.—W.....22 Melrose Av.

Zavodsky, F.—D.....9 Vergennes St.
Ziegler, D. H.—D.....726 Rose Bldg.
Zinner, O. J.—A.....1242 Broadway
Zismer, A. T.—W.....112 Mechanic St.
Zorn, O. M.—W.....508 Sterling Av.
Zottarelli, J. V.—L.....46 Fairview Av.
Zürcher, E.—W.....Haydn Hall

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